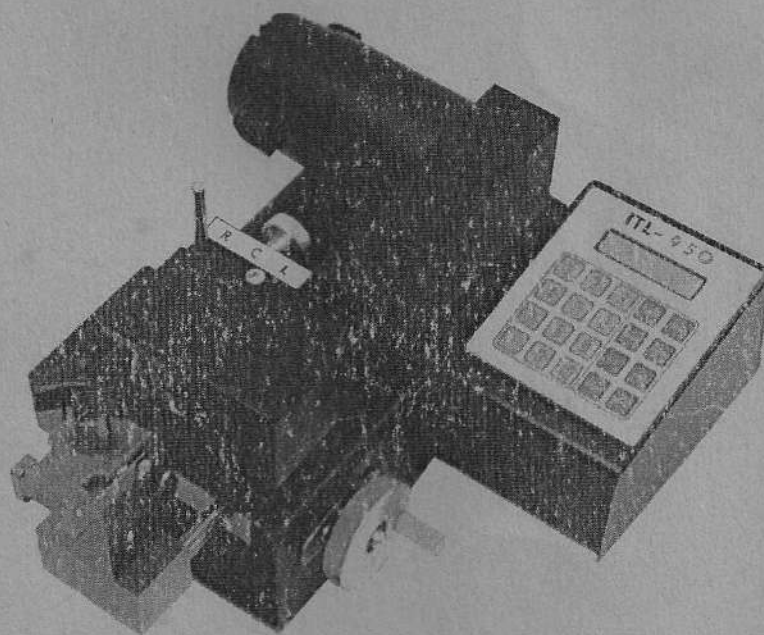


ITL 950



THE ITL 950 COMPUTER KEY MACHINE
Operations Manual












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KEY FUNCTIONS

KEY LEGEND

DESCRIPTION

	Displays or selects a manufacturer as well as insert and flat number.
	Displays or selects keycode to be cut. Displays cutter angle where applicable.
	Displays Maximum Space to be cut. Also shows tip type and whether key is paused or not. If paused this key will put an L in the display to indicate a Left cut angle.
	Displays Max and Min Depths. Note there maybe invalid depths between the max and min values which are invalid, as in Simca. If the table is paused this key will put an R in the display to indicate a right cut angle.
	Displays or selects amount of correction to be used when cutting (range is +.009" TO -.009"). This key is also used to display or change both cut feed rate and flat width.
	Starts cutting operation and displays Code. If the table is paused this resumes cutting after changing angles.
	Corrects number entries and aborts functions.
	Resets the machine, same as turning power on. Also aborts a cutting operation.
	Entry keys for ID'S, Codes,Etc.
	Used to enter 11th depth in code i.e. 0-9,10
	Used to switch sign of C.F. and Calibration numbers, -5 is negative. Used also to bypass a cut position in code.

MACHINE SPECIFICATIONS

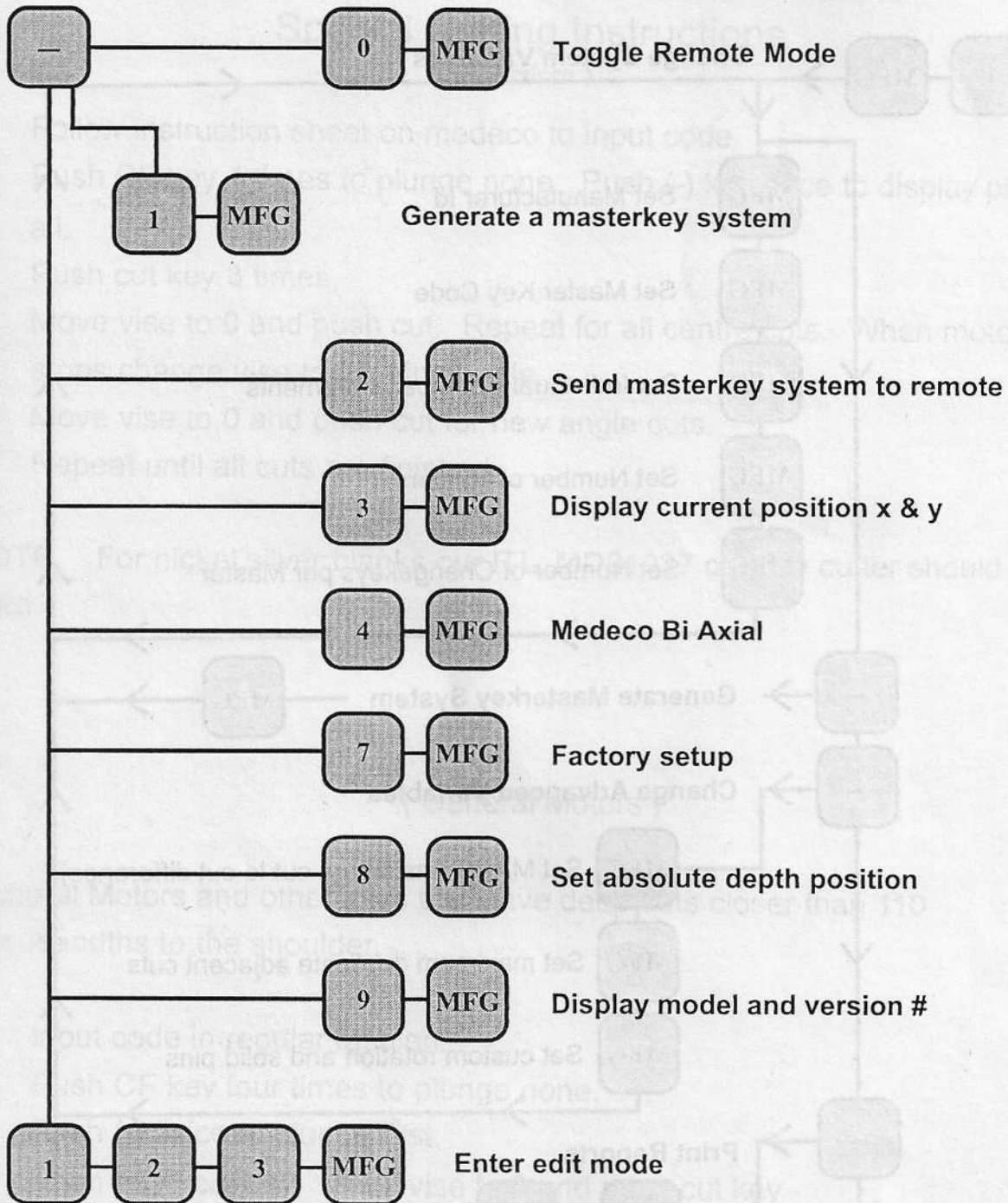
Operating Voltage	- 120 Volts 2 Amps 60 Hz. - 12 Volts 4 Amps DC
Operating Current	- 5 A Pk. 2.5 A Cut .5A Idle
Operating Frequency	- 60 Hertz / DC
Motor Horsepower	- 1/5 H.P.
Cutter Speed	- 3000 R.P.M.
Motor Bearing Type	- Sealed Roller Bearing
Standard Codes	- UP TO 800
Custom Codes	- 10 (User Modified)
Cut Flat range	- 0.001" to 0.140" in 8 steps
User Definable Flats	- 10 with range of 0.001" to 0.140"
Display Format	- 2 Line 16 Character Alpha-Numeric Micro Power LCD
Keyboard Type	- 20 Key Sealed Membrane
Computer Interface	- RS232C 75-9600K Baud
Printer Interface	- Parallel IBM compatible
Repeatable Accuracy	- (+/-) 0.001"
Weight	- 48 Lbs. Packaged

TABLE OF FLAT NUMBERS AND WIDTHS

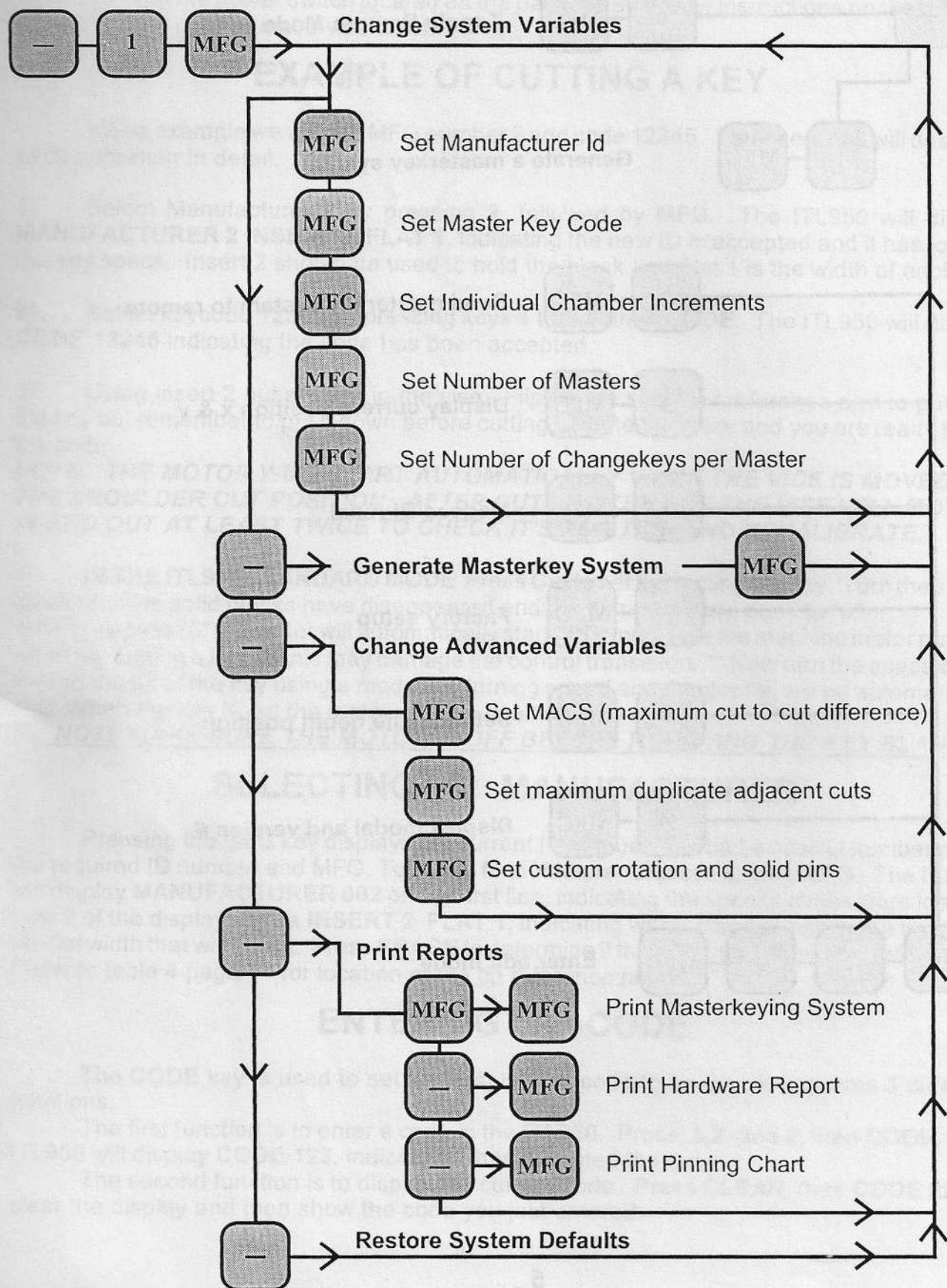
FLAT	NUMBER	WIDTH	EQUIVALENT CUTTER
1	0.014 INCH		CW1012
2	0.024 INCH		37MC USE FOR ASSA
3	0.044 INCH		CW1011
4	0.048 INCH		14MC
5	0.040 INCH		ITL SPECIAL (GEO)
6	0.032 INCH		Assa
7	0.070 INCH		20MC
8	0.090 INCH		CC100
9	___ INCH		USER DEFINED WIDTH
10	___ INCH		USER DEFINED WIDTH

TABLE 1

"X"tended Modes



GENERATING A MASTER KEY SYSTEM



STARTING THE ITL 950

The ITL950 when used with 110 Volt power supply should be plugged in to a switchable power bar with surge suppression.

Turn on the power switch located on the back plate. Follow instructions on the display. [move vise to right or move vise to left.]

EXAMPLE OF CUTTING A KEY

In this example we will use MFG number 2 and code 12345. Later sections will describe each operation in detail.

1) Select Manufacturer 2 by pressing **2**, followed by **MFG**. The ITL950 will display **MANUFACTURER 2 INSERT 2 FLAT 1**, indicating the new ID is accepted and it has loaded the key specs. Insert 2 should be used to hold the blank and Flat 1 is the width of each cut.

2) Select keycode 12345 by pressing keys **1** thru **5**, then **CODE**. The ITL950 will display **CODE 12345** indicating the code has been accepted.

3) Using insert 2 put a blank in the vise. Flip up the shoulder reference arm to position the key but remember to put it down before cutting. Tighten the vise and you are ready to cut the code.

NOTE: THE MOTOR WILL START AUTOMATICALLY WHEN THE VICE IS MOVED TO THE SHOULDER CUT POSITION. AFTER CUTTING THE KEY THE VISE WILL MOVE IN AND OUT AT LEAST TWICE TO CHECK IT'S POSITION AND RECALIBRATE.

4) **IN THE ITL900 STANDARD MODE** Press **Cut** to set the cutting display. Turn the space crank until the solid blocks have disappeared and the numbers have gone to "0". When you pass "0" the motor will automatically start. ****Do not leave the machine motor running when not cutting a key as this may damage the control transistors.**** Now turn the space crank toward the tip of the key using a moderate turning speed and the depths will be automatically cut. When the key is cut the motor will turn itself off.

NOTE MAKE SURE THE MOTOR IS OFF BEFORE REMOVING THE KEY BLANK

SELECTING A MANUFACTURER

Pressing the **MFG** key displays the current ID number. To load a new ID number press the required ID number and **MFG**. To select Manufacturer 2, press **2**, then **MFG**. The ITL950 will display **MANUFACTURER 002** on the first line, indicating the specifications were loaded. Line 2 of the display shows **INSERT 2 FLAT 1**, indicating which insert to use in the vise, and the flat width that will be cut. Press **SPACE** to determine if the key is shoulder or tip referenced. Refer to table 4 page 14 for location of the tip reference points.

ENTERING A CODE

The **CODE** key is used to set and display the code to be cut. It performs 3 different functions.

The first function is to enter a code in the ITL950. Press **1, 2, and 3**, then **CODE**. The ITL950 will display **CODE 123**, indicating it has accepted the code.

The second function is to display the current code. Press **CLEAR**, then **CODE** to first clear the display and then show the code you just entered.

FLOW CHART TO CUT MEDECO BIAxIAL

Special Cutting Instructions

(Medeco)

1. Follow instruction sheet on medeco to input code.
2. Push CF key 4 times to plunge none. Push (-) key once to display plunge all.
3. Push cut key 3 times.
4. Move vise to 0 and push cut. Repeat for all centre cuts. When motor stops change vise to flashing angle.
5. Move vise to 0 and push cut for new angle cuts.
6. Repeat until all cuts are finished.

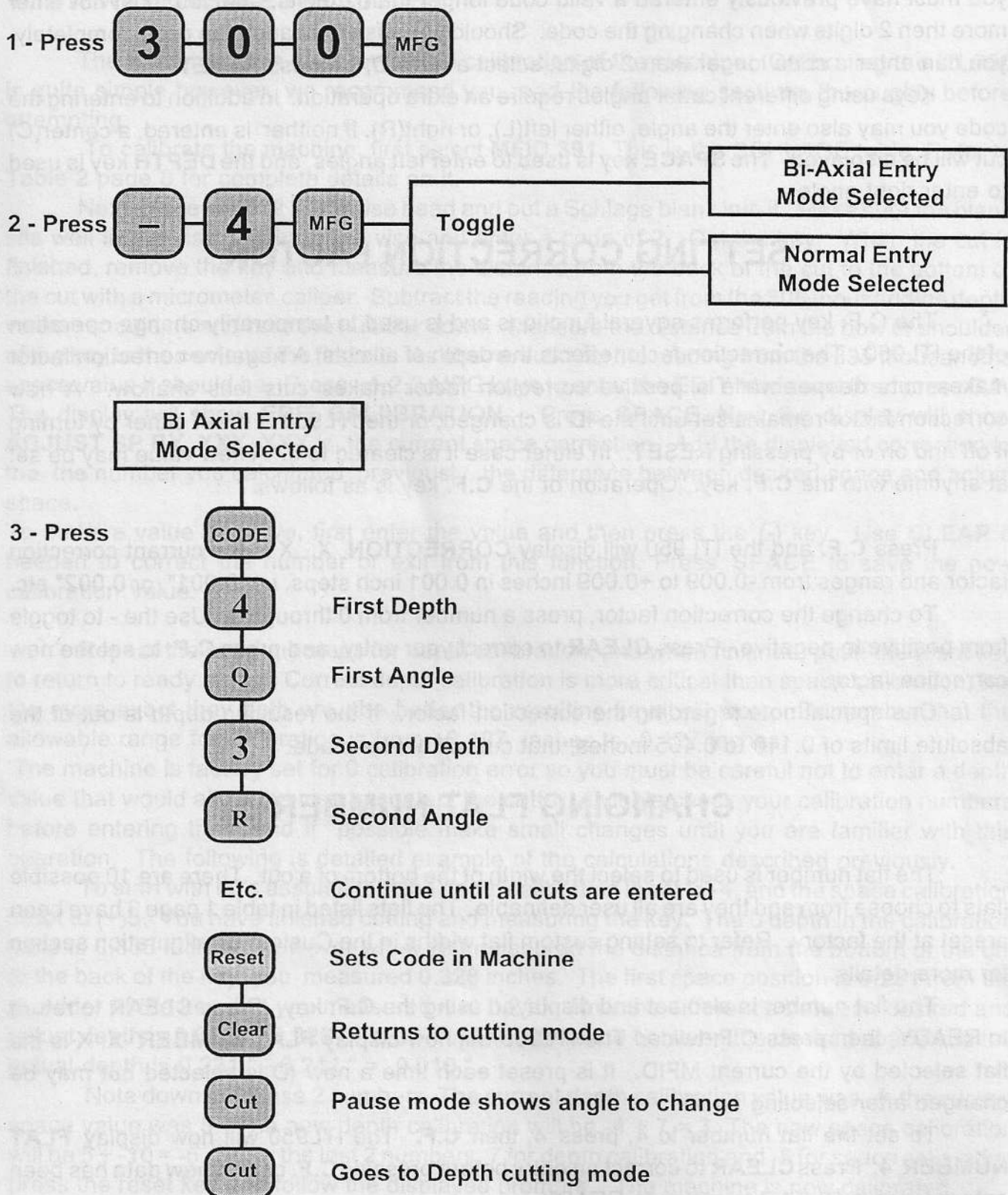
NOTE. For nickel silver blanks our ITL MD01027 carbide cutter should be used.

(General Motors)

General Motors and other keys that have deep cuts closer than 110 thousandths to the shoulder.

1. Input code in regular fashion.
2. Push CF key four times to plunge none.
3. Push (-) twice to plunge first.
4. Then push cut key. Move vise to 0 and push cut key.
5. After first cut is complete turn handle to complete other cuts on key in a regular fashion.

FLOW CHART TO CUT MEDECO BIAXIAL



The third function is useful when doing sequential codes. Press **5** then **CODE**. The ITL950 will display **CODE 125**. The code has changed from 123 to 125. To use this feature you must have previously entered a valid code longer than 2 digits, and you must not enter more than 2 digits when changing the code. Should you wish to change the code completely, you can enter a code longer than 2 digits, select a new ID, or press **RESET**.

Keys using different cutter angles require an extra operation. In addition to entering the code you may also enter the angle, either left(L), or right(R). If neither is entered, a center(C) cut will be displayed. The **SPACE** key is used to enter left angles, and the **DEPTH** key is used to enter right angles.

SETTING CORRECTION FACTOR

The C.F. key performs several functions and is used to temporarily change operation of the ITL950. The correction factor effects the depth of all cuts. A negative correction factor makes cuts deeper while a positive correction factor makes cuts less shallow. A new correction factor remains set until the ID is changed, or the ITL950 is reset either by turning it off and on or by pressing **RESET**. In either case it is cleared to 0. A new value may be set at anytime with the **C.F.** key. Operation of the **C.F.** key is as follows.

Press **C.F.** and the ITL950 will display **CORRECTION X**. X is the current correction factor and ranges from -0.009 to +0.009 inches in 0.001 inch steps. i.e. 0.001", or 0.002" etc.

To change the correction factor, press a number from 0 through 9. Use the - to toggle from positive to negative. Press **CLEAR** to correct your entry, and press **C.F.** to set the new correction factor.

One special note regarding the correction factor. If the resulting depth is out of the absolute limits of 0.110 to 0.465 inches, that cut will not be made.

CHANGING FLAT NUMBER

The flat number is used to select the width of the bottom of a cut. There are 10 possible flats to choose from and they are all user definable. The flats listed in table 1 page 3 have been preset at the factory. Refer to setting custom flat widths in the Custom Configuration section for more details.

The flat number is also set and displayed using the **C.F.** key. Press **CLEAR** to return to READY, then press **C.F.** twice. The ITL950 will now display **FLAT NUMBER X**. X is the flat selected by the current MFID. It is preset each time a new ID is selected but may be changed after selecting an ID.

To set the flat number to 4, press **4**, then **C.F.** The ITL950 will now display **FLAT NUMBER 4**. Press **CLEAR** to correct an entry before pressing **C.F.** or if no new data has been entered, press **CLEAR** to return to READY.

CALIBRATING THE ITL950

NOTE !!! IT IS POSSIBLE TO RUN THE CUTTER INTO THE VISE WITH IMPROPER CALIBRATION. BE CERTAIN OF DEPTH CALIBRATION. IF THE CUTTER TOUCHES THE VISE IT WILL DAMAGE THE CUTTER.

The following is an overview of the calibration of the machine. Calibrating the ITL950 is quite simple however, we recommend you read the following sections thoroughly before attempting.

To calibrate the machine, first select **MFID 391**. This is the SCHLAGE table. Refer to Table 2 page 8 for complete details on it.

Next, place insert 2 in the vise head and put a Schlage blank into it. Make sure the blank sits well in the vise. Tighten the vise and enter a code of 2. Cut the key. When the cut is finished, remove the key and measure the distance from the back of the cut to the bottom of the cut with a micrometer caliper. Subtract the reading you get from the 305 thousandths depth value it should be and note the number down. Measure the distance from the bow or shoulder of the key to the center of the first cut. As above, subtract the reading from the 335 thousandths space value it should be. Press -,1,2,3,MFG keys to enter the EDIT mode and then press **C.F**. The display will show **EDIT CALIIBRATION**. Press **SPACE**. Now the display will show **ADJUST SP BY XXX**. XXX is the current space correction. Add the displayed correction to the the number you calculated previously, the difference between desired space and actual space.

To make a value negative, first enter the value and then press the **(-)** key. Use **CLEAR** if needed to correct the number or exit from this function. Press **SPACE** to save the new calibration value.

Repeat the previous steps for depth calibration, and when finished, push the reset key to return to ready mode. Correct depth calibration is more critical than space calibration, but the more exact they both are, the better the resulting keys will work. Remember that the allowable range for calibration is from +0.127 inches to -0.127 inches.

The machine is factory set for 0 calibration error so you must be careful not to enter a depth value that would allow the vise to contact the cutter. Double check your calibration numbers before entering them and if possible make small changes until you are familiar with this operation. The following is detailed example of the calculations described previously.

To start with let's assume that the depth calibration is set to -4, and the space calibration is set to (+)5. You have finished cutting and measuring the key. The 0 depth in the calibration table is 0.335 inches. However when you measured the distance from the bottom of the cut to the back of the key, you measured 0.328 inches. The first space position is 0.231 from the shoulder of the key, but you measured it at 0.210. Now the difference between desired and actual depth is $0.335" - 0.328" = 0.007"$. The difference between the desired space and the actual depth is $0.231" - 0.241" = -0.010"$.

Note down the these 2 numbers. The current depth calibration value was -4, the current space value was 5. The new depth calibration will be $-4 + 7 = 3$. The new space calibration will be $5 + -10 = -5$. Enter the last 2 numbers, 7 for depth calibration and -5 for space calibration press the reset key and follow the displayed prompts. The machine is now calibrated.

Table 2

MFGNUMBER : 391
MANUFACTURER : SCHLAGE/1
BLANK : SCHLAGE
INSERTNUMBER : 2

SPACE 1	0.231	DEPTH 0	.335
SPACE 2	0.387	DEPTH 1	.320
SPACE 3	0.543	DEPTH 2	.305
SPACE 4	0.699	DEPTH 3	.290
SPACE 5	0.855	DEPTH 4	.275
SPACE 6	1.011	DEPTH 5	.260
		DEPTH 6	.245
		DEPTH 7	.230
		DEPTH 8	.215
		DEPTH 9	.200

SETTING DEFAULT MANUFACTURER

The default of power-on ID is the ID number the machine selects when reset or turned on. As with any ID, it must be in the range of 1 through 810 and is user selectable. Proceed as follows to select your own default ID.

- 1) Press the **-,1,2,3,MFG** keys to enter the **EDIT** position. The display will show **EDIT**.
- 2) Press **CODE** to display the current default ID. To change the ID to 23 press **2** and **3** followed by **CODE**. The ITL950 will display **DEFAULT ID 23**.
- 3) Press the **CLEAR** key to return to the **EDIT** mode. Press the **RESET** key to return to the **RUN** position and the new ID will be displayed when you complete the ITL950 setup sequence.

SETTING CUSTOM FLAT WIDTHS

The flat width determines the width at the bottom of a cut. There are 10 possible flats to choose from and they are all user definable. The following section describes how to set your own flat width.

**** CAUTION ** FLAT WIDTHS 1 THROUGH 8 ARE USED WITH THE MANUFACTURER ID'S AND CHANGING THESE FLAT WIDTHS WILL CAUSE WRONG FLAT WIDTHS TO BE CUT.**

Press **-,1,2,3,MFG** keys to enter the **EDIT** mode. Press **1 + CUTKEY** and the display will show **FLAT 1 = 014**. **NOTE:** Flat 1 is the flat width of the installed cutter and when cutters are changed flat 1 should be changed to match the flat width of the new cutter. Pressing **CUT** will step through all the 10 flats. To change a flat enter the desired flat width and press **CUT**.

For table of flat numbers and widths refer to table 1 page 3.

EDITING A CUSTOM ID TABLE

There are 10 custom IDs you can change yourself. They support the same features as the fixed IDs like the default cut rate and default ID remain set until you alter them. The following sections explain how to edit your own ID.

Enter the **EDIT** mode by pressing the **-,1,2,3,MFG** keys.

SELECTING ID TO BE EDITED

- (1) To edit ID 803, press **8,0,3**, followed by **MFG**. The **ITL950** will display **EDITING ID 803**. You have now set the ID number to be edited. You must select an edit ID before changing spaces or depths. Remember the range is 801 to 810.
- (2) Press **MFG** again to proceed to step 3 or press **CLEAR** to return to the **EDIT** mode prompt. **CLEAR** may be used at any time to return to the **EDIT** mode.

SETTING TIP TYPE

- (4) The tip type in a table determines which reference point is used to cut a key. Tip type 0 references a key from the shoulder. Tip types 1 and 2 reference a key from the tip. Tip type 3 is reserved for future use.

The **ITL950** now shows **TIP TYPE = X**. X is the current type ranging from 0 - 3. If a (-) is displayed, it means the current type is invalid. Enter a new type ie. 2 and press **MFG** to save it. Press **CLEAR** to correct an entry before pressing **MFG**. For example to set tip type to 1, press **1** then **MFG**. The display now shows **TIP TYPE = 1**. As above, pressing **MFG** without entering any data, will proceed to the next step.

SELECTING FLAT TYPE

- (5) Flat type determines how wide the bottom or flat of each cut will be. Tables 1 page 1 detail the widths produced by the different flat numbers. Note that flat 1 produces the same width as the cutter being used.

The **ITL950** now displays **FLAT NUMBER = X**. X ranges from 1 through 10. To select flat 4, press **4**, followed by **MFG**. The display will now show **FLAT 4**. Press **MFG** to continue to step 6, or press **CLEAR** to return to Edit Mode.

SELECTING INSERT NUMBER

- (6) The **ITL950** will now show **INSERT X**, where X is the current insert type. Refer to table 3 for further information on inserts. To select insert 3, press **3** followed by **MFG**. The display will now show **INSERT 3**. Press **MFG** to continue to step 7. Clear may be used to correct entries or return to edit mode.

DEPTH LIMITS FOR VISE INSERTS

INSERT NUMBER	OFFSET FROM TRUE 0	RANGE OF DEPTHS
1	0.000 INCHES	0.465 - 0.180 INCHES
2	0.035 INCHES	0.430 - 0.145 INCHES
3	0.070 INCHES	0.395 - 0.110 INCHES

TABLE 3

Note that although there are 4 insert numbers, only 1 through 3 are valid. Insert 4 is reserved for future expansion.

ENABLING AN EXTENDED TABLE

(7) Most keys can be supported with 10 spaces and 11 depths. However, should you have a code requiring up to 12 spaces, you may add them using the extended table function.

When you select the extended table function, the ID following the one you are currently editing will contain the extra spaces. For example if you were editing ID 803, and selected the extended table function, ID 804 would contain the 2 extra spaces. Note that you should not use ID 804 as a valid ID. When using the extended table, the maximum space in the first table, in this case 803 should be set to 10 and all 10 spaces must be valid. Edit the second ID in this case 804 as with any other custom ID however you need enter only spaces 1 and 2. Space 1 would be the 11th space in an extended ID and space 2 would be the 12th space.

The ITL950 now displays **EXTENDED TABLE X**. X will be either Y or N. Press - to switch it off or on. Repeatedly pressing - will simply toggle between (Y)es and (N)o. Press **MFG** to continue to the next step 8 or press **CLEAR** to return to **EDIT**.

SETTING MAXIMUM SPACE NUMBER

(8) The maximum space number is used to verify correct table set-up, define table limits and determine code length. Be sure to set it correctly.

The ITL950 now displays **MAXIMUM SPACE X**. X is the current maximum space number. The range is 1 to 10. This should support most keys however 2 additional spaces may be added by using the extended table function. Refer to section 7 for more details. To select a maximum space number of 7, press **7** followed by **MFG**. The display will now show **MAXIMUM SPACE 7**. Press **MFG** to continue to step 9.

SETTING MAXIMUM DEPTH NUMBER

(9) The maximum depth number is used to verify correct table set-up, and define table limits. Be sure to enter it correctly.

The ITL950 will now show **MAXIMUM DEPTH XX**. XX is the current maximum depth number. The range is 1 to 10 (not the 10 key!). To select a maximum depth number of 8, press 8 followed by **MFG**. The display will now show **MAXIMUM DEPTH 8**. Press **MFG** to continue to step 10. Use the **CLEAR** key to correct an entry or exit to EDIT.

SETTING MINIMUM DEPTH NUMBER

10) The minimum depth number is used to verify correct table set-up, and define table limits. Be sure to enter it correctly.

The ITL950 will now show **MINIMUM DEPTH X**. X is the current minimum depth number. The range is 0 to 9. To select a minimum depth number of 1, press 1 followed by **MFG**. The display now shows **MINIMUM DEPTH 1**. This is the end of stage 1 in editing a new ID. Press **CLEAR** to exit to the EDIT prompt.

NOTES REGARDING MAXIMUM SPACE AND MAX/MIN DEPTH NUMBERS

The numbers entered previously are used by the ITL950 to determine which locations in an ID table are valid. All user selectable tables have a total of 10 space values and 11 depth values. The incorrect entry of a number for any of the above steps may result in either an incorrect cut in the key or no cut at all. For example, if you had entered depth values for numbers 1 through 5, and set the maximum depth number to 6 in step 9 without entering a value for depth 6, a 6 in the keycode would produce an undefined cut. If you had previously set the maximum depth to 6, entered all 6 depths and then changed the maximum depth to 5, you would be unable to enter a 6th depth in the code. To sum up be sure your entries are all correct and should your new code fail to work as expected, **DON'T PANIC** recheck the table and you will likely find an error in one of your entries.

SETTING VALUES IN SPACE TABLE

Press the number of the desired space value to edit, or press **1** to start at the beginning of the space table. The ITL950 will display **SPACE 1 = XXX** where XXX is the current value in .001" increments. For example, **SPACE 1 = 320** means the first cut would be 320 thousandths (.320") of an inch from the shoulder of the key if shoulder referenced. To change this space position to 290 thousandths (.290") of an inch, press **2,9,0** followed by **SPACE**. The display will now show **SPACE 1 = 0290**. Use **CLEAR** to correct the number before pressing **SPACE** or to exit to the **EDIT** mode. Any space value may be edited directly by entering its number (i.e. 1) and pressing **SPACE**. Pressing **SPACE** repeatedly will proceed through the rest of the space table. This will permit you to quickly check or edit all values at once, or check or change only 1. The limits for space values are .001" through 1.350". These limits refer to the center of a cut relative to the center of the cutter wheel face and are referenced from the bow of the key. Tip referenced keys are dealt with somewhat differently. When setting up a table for a tip referenced key, you must first determine which tip reference point to use. Table 4 details the limit in spaces available with each reference point.

First determine the distance from the tip of the key to the cut closest to the head of the key. Using table 4 subtract this distance from the offset value for each tip reference point until you find one that makes this cut no less than 0.001 inches from the shoulder of the key.

For example if you had a blank with 7 cuts, 0.110 inches apart the distance from the tip to the cut closest to the head of the key would be $7 \times 0.110 = 0.770$ inches. The first reference point offset is 0.750 inches. So $0.750 - 0.770 = -0.020$ inches. This is less than 0.001 so try the next one. Now the result is $1.150 - 0.770 = 0.400$. This is within our limit so you should enter 2 for tip type. Note that the flat number will also effect which reference point you use. If the cut closest to the head of the key is 0.030" from the head and you select a flat with an offset of 0.040" you will exceed the physical cutting limits by 0.010".

TABLE OF TIP REFERENCE POINTS

TIP REF #	OFFSET	RANGE OF SPACES	NOTES
0	0.000 INCHES	0.001-1.350 INCHES	SHOULDER REF'D
1	0.750 INCHES	0.000-0.749 INCHES	
2	1.150 INCHES	0.000-1.149 INCHES	USE INSERTS 1A,1B,1S.
3	1.350 INCHES	0.000-1.349 INCHES	REFERENCE FROM RIGHT VISE EDGE

TABLE 4

Note that inserts with tip reference points are numbered (1A,1B,1S). The first digit

relates to depth range, the second is for special purpose keys. 1A is for Ford, Mazda and other tip referenced keys. 1B is for Best, Falcon and other bottom tip referenced keys and 1S is for tip referenced safety deposit type keys. Note that tip reference 1 is located by reversing the shoulder reference arm in it's mounting block. Tip point 3 is the right edge of the vise furthest from the shoulder reference point.

SETTING VALUES IN DEPTH TABLE




Press the number of the desired depth value to edit. Press **0** to start from the beginning of the depth table, followed by **DEPTH**. Note if you have set the minimum depth as 1, 0 will not be allowed so make sure all entries are done correctly. The ITL950 will now display **DEPTH 0 = XXX** where XXX is the current value in 0.001" increments. For example, **DEPTH 0 = 320** means the bottom of the cut would be 320 thousandths (.320") of an inch from the back of the key. To change this depth position to 290 thousandths (.290") of an inch, press **2,9,0** followed by **DEPTH**. The display now shows **DEPTH 0 = 290**. Use **CLEAR** to correct the number before pressing **DEPTH** or to exit to **EDIT** mode. Any depth value may be edited directly by entering it's number (i.e. 1) and pressing **DEPTH**. Pressing **DEPTH** repeatedly will proceed through the rest of the depth table. This will permit you to quickly check or edit all values at once, or check or change only 1. The limits for depth values are 0.105 inches through 0.465 inches. These limits refer to the bottom of a cut and are referenced from the back of the key.

All depth table values can be edited sequentially, by pressing **DEPTH** to step through the table, or individually by entering the desired depth number, then **DEPTH**. Enter **0**, or **1** to start at the beginning of the table depending on the value you have set for minimum depth.



For example if you had set maximum/minimum depths of 0 and 6 and you wanted to set depth 3 to 0.330 inches, you would press **3**, and then **DEPTH**. The ITL950 will now show **DEPTH 03 = XXXX**. XXXX is the current value of depth 3 in the currently selected ID. To set this depth to 0.330 inches, press **330** and then **DEPTH**. The ITL950 will now show **DEPTH 3 = 0330**. Use the **CLEAR** to correct errors or to exit from the routine.

If you want to check or change depth 4, press **DEPTH**. The ITL950 will now show **DEPTH 4 = XXXX**.

CUTTING KEYS FROM GENERATED MASTER KEY SYSTEM

Push    to toggle between [Remote Request Selected] and

[Manufacturer ID Display Selected] To cut sytem generated keys you must be in the Remote Request Selected mode. Every key in the masterkey system has it's own unique key number

identity. Enter the key identity number and the  key to call up any key from the master key system. Pushing the  advances to the next identity number in the master key system.

SETTING SERIAL PORT PARAMETERS

SETTING BAUD RATE

Press **CODE** twice to enter the Serial port setup routine. The machine will display the current baud rate. Use table 5 below to select a baud rate code, for example to set the baud rate to 4800, locate the correct baud rate (in this case 7). Now enter the select code (7) and press **CODE** to save the new baud rate or **CLEAR** to erase or correct your entry. Pressing **CLEAR** with no number entered will exit the Serial setup routine without changing the baud rate.

TABLE 5

BAUD RATE	SELECT CODE	OTHER PARAMETERS
75	1	8 Data Bits
150	2	1 Stop Bit
300	3	No Parity
600	4	9600 baud Default
1200	5	
2400	6	
4800	7	
9600	8	

REMOTE OPERATION

All the standard keyboard functions can be performed by remote via the RS232 port on the rear of the ITL950. Table 6 details the characters that perform each function. To perform a particular function by remote you send the letter or number as indicated in table 6 below. The ITL950 will acknowledge it received the character by sending it back to you. For example to select ID 201, you send the numbers 2,0,1 waiting for each number to be acknowledged and then send the letter F. If there was an error ie. invalid ID or the serial port is set wrong, the ITL950 would send an X to indicate the operation was not successful. Remember though that if the serial port is set incorrectly, you may not receive anything or an undefined character so if you have trouble triple check your serial port setup.

TABLE OF FUNCTIONS AND CHARACTERS

CHARACTER	REMOTE FUNCTION
0	SAME AS PRESSING THE 0 KEY.
1	SAME AS PRESSING THE 1 KEY.
2	SAME AS PRESSING THE 2 KEY.
3	SAME AS PRESSING THE 3 KEY.
4	SAME AS PRESSING THE 4 KEY.
5	SAME AS PRESSING THE 5 KEY.
6	SAME AS PRESSING THE 6 KEY.

- 7 SAME AS PRESSING THE 7 KEY.
 8 SAME AS PRESSING THE 8 KEY.
 9 SAME AS PRESSING THE 9 KEY.
 A SAME AS PRESSING THE 10 KEY. (REMEMBER THE 10 KEY IS SPECIAL)
 SEE CODE SECTION 2-3 FOR MORE DETAILS
 B SAME AS PRESSING THE RESET KEY.
 C SAME AS PRESSING THE CLEAR KEY.
 D SAME AS PRESSING THE DEPTH KEY.
 E SAME AS PRESSING THE SPACE KEY.
 F SAME AS PRESSING THE MFG KEY.
 G SAME AS PRESSING THE C.F. KEY.
 H SAME AS PRESSING THE CODE KEY.
 I SAME AS PRESSING THE CUT KEY.
 J SAME AS PRESSING THE - KEY.
 K DOWNLOAD A KEY TABLE. INDICATES SPECS FOR A KEY TABLE
 ARE BEING SENT. SEE REMOTE TABLE DATA FORMAT FOR
 MORE DETAILS.

TABLE 6

CABLE FOR RS232 PORT

***** TURN THE ITL 950 OFF BEFORE INSTALLING SERIAL OR PARALLEL CABLES *****

The ITL950 uses a DB9 MALE TO DB9 FEMALE straight through cable. (Supplied)

REMOTE TABLE DATA FORMAT

Using the remote table function, you have unlimited code expansion. You can generate new key specs on your computer and send them to the **ITL950**. This section describes the format of a remote table being sent to the **ITL950**.

The remote table function can only be started by remote so make sure your serial port parameters are set correctly.

Pressing any key on the **ITL950** will stop loading the table and return the machine to ready. Sending more data then a table can contain will also return to ready. The information you send is essentially the same as what you enter for a custom table.

The first character you send to the **ITL950** is a **K**. The **ITL950** will send the character back to you when it's ready. If it does not, or if an **X** is received, again check your serial port setup. After the **K** has been echoed, the **ITL950** will display **LOADING TABLE**. Next you send an **STX** character. In the Basic programming language, this would be chr\$(2). The next character is either a **Y** or an **N**. Note it must be in capitals. Lower case will give an error. The **Y** or **N** indicates whether or not this is a paused key. Now send the Tip type. A **0** is for shoulder referenced keys, while 1 through 3 are for tip referenced keys. See editing a custom table for more information. The next data sent will be the insert number followed by a comma (,). The insert number can be from 1 to 4. Note the balance of the data sent will be followed by a comma. Now you will send the maximum space value it may be from 1 to 12, again followed by the

comma. Maximum depth is next, and ranges from 1 to 10. After maximum depth comes minimum depth ranging from 0 to 9.

The next value is flat number. It is slightly different from a custom table in that for flat 1, no offset you send a 0.

This means that the range of flats would be 0 through 9, not 1 through 10 as with a custom table. The next 12 entries will be spaces 1 through 12. They will all be in increments of 0.001 ". 100, would be 0.100 ". A value of 0.050 " would be sent as 50, while a value of 1.100" would be sent as 1100. Once again remember the comma after each space value! To make a particular space or depth value invalid, send **FFFF**, instead of a number. After you have sent all 12 space values, you will send 10 depth values in the same format as spaces. Send **FFFF**, to make a particular depth invalid. The next character you send is an ETX character. In Basic, this would be chr\$(3). This character with the STX character you sent at the beginning will frame the remote code as is used to insure that the table is loaded correctly. Finally you will send a second K. When the **ITL950** receives the K, it begins to process the code for internal use. Assuming there are no errors in the table, the display will show **REMOTE TABLE INSERT X FLAT Y**. These values will be what you sent except for flat, which will be the number you sent plus 1. You may now use this table as you would any other table.

The following is an example remote table.

DATA #	DATA SENT	DESCRIPTION
1	K	INITIATES REMOTE LOAD OPERATION
2	*STX (02)	MARKS BEGINNING OF TABLE
3	N	DISABLES PAUSE FUNCTION
4	0	INDICATES A SHOULDER REFERENCED KEY
5	2,	SELECTS INSERT KEY WILL BE CUT IN
6	6,	SET MAXIMUM SPACE TO 6
7	10,	SET MAXIMUM DEPTH TO 10
8	1,	SET MINIMUM DEPTH TO 1
9	0,	SET FLAT WIDTH TO 0 (DISPLAYS AS 1)
10	100,	SET 1 TO 0.100" FROM SHLDR
11	150,	SET 2 SPACE TO 0.150"
12	200,	SET 3 SPACE TO 0.200"
13	250,	SET 4 SPACE TO 0.250"
14	300,	SET 5 SPACE TO 0.300"
15	350,	SET 6 SPACE TO 0.350"
16	FFFF,	SET 7 SPACE INVALID
17	FFFF,	SET 8 SPACE INVALID
18	FFFF,	SET 9 SPACE INVALID
19	FFFF,	SET 10 SPACE INVALID
20	FFFF,	SET 11 SPACE INVALID
21	FFFF,	SET 12 SPACE INVALID
22	FFFF,	SET DEPTH 0 INVALID
23	400,	SET DEPTH 1 TO 0.400"
24	390,	SET DEPTH 2 TO 0.390"
25	380,	SET DEPTH 3 TO 0.380"
26	370,	SET DEPTH 4 TO 0.370"
27	360,	SET DEPTH 5 TO 0.360"
28	350,	SET DEPTH 6 TO 0.350"
29	340,	SET DEPTH 7 TO 0.340"
30	330,	SET DEPTH 8 TO 0.330"
31	320,	SET DEPTH 9 TO 0.320"
32	310,	SET DEPTH 10 TO 0.310"
33	*ETX (03)	MARK END OF TABLE
34	K	INDICATE YOUR FINISHED SENDING

* NOTE BOTH STX AND ETX ARE GENERATED BY PRINTING CHR\$(2), AND CHR\$(3) RESPECTIVELY. THE NUMBERS IN BRACKETS IN THE ABOVE EXAMPLE ARE HEXADECIMAL VALUES. (03) IS HEXADECIMAL 03 NOT THE NUMBER 3 !

ERROR MESSAGES

INVALID MFG ID RANGE IS 0 TO 960	The ID entered is incorrect, the valid range is 0 through 810. 0 is a special case used to load from the serial port.
INVALID SPACE	The space number or value entered is incorrect. See Editing a custom id table for more information.
CODE TOO LONG	The code entered is too long and references a space position which is undefined.
INVALID DEPTH(S)	The depth(s) number or value is incorrect. Referto Editing a Custom ID table for more details.
INVALID C.F. RANGE IS 9 TO -9	Incorrect correction factor. Range is 9 to -9.
NO CODE SET	You must enter both an ID and Code before cutting a key.
OUT OF RANGE RANGE IS 127 TO -127	Space or depth calibration value exceeds limits. Range is 127 to -127.
MEMORY WRITE ERR	A write to the ITL950 memory has failed. Report to your distributor.
INVALID FLAT #	Incorrect flat # entered. Range is 1 through 10.
INVALID INSERT # RANGE IS 1 TO 4	Incorrect insert # entered. Range is 1 through 4.
INVALID MAXSPC 11 RANGE IS 1 TO 10	Incorrect maximum space number. Range is 1 through 10.
INVALID MAXDPT # RANGE IS 1 TO 10	Incorrect maximum depth number. Range is 1 through 10.
INVALID MINDPT # RANGE IS 0 TO 9	Incorrect minimum depth number. Range is 0 or 9.
INVALID BAUD RTE RANGE IS 1 TO 7	Incorrect baud rate number. Range is 1 through 7.
7 OR 8 BITS ONLY	Only 7 or 8 data bits are allowed. Normally 7 is used.
1 OR 2 BITS ONLY	Only 1 or 2 stop bits are allowed. Normally 1 is used.
ERROR LOADING TABLE	Remote code load has failed. Check serial port parameters.
INVALID SPEED RANGE IS 1 TO 4	Incorrect feed rate number. Range is 1 through 4.
INVALID TIP TYPE RANGE IS 0 TO 3	The tip number selected is invalid. The range is 0 through 3.
INVALID FLAT WIDTH RANGE IS 1 TO 10	The flat number selected is invalid. The range is 1 through 10.
INVALID DEPTH RANGE IS 110 TO 465	The depth entered is invalid. The range is 110 TO 465.
INVALID SPACE VALUE RANGE IS 1 TO 10	The space entered is out of range. The range is 1 to 10.
BAD TABLE ENTRY	The table being loaded has invalid entries. If it's a custom ID, recheck your entries. If it is in the range of 1 through 800. Check the list of manufacturers and report the error to your distributor. Note that if you select an ID that is not in the list it will not be correct.
INVALID INSERT CF RANGE IS 9 TO -9	The correction value exceeds the allowed range.

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
A CALIBRATION CODE										ITL#	1						Flat 1		Insert 2	
USE TO CALIBRATE ITL 9000																				
54WA																				
200	200	200	200	200	200	200	200	200	200			300	250	200	150					
ABUS/01										ITL#	2						Flat 1		Insert 2	
24																				
24/41																				
155	275	395	515	635	755							260	235	210	185	160				
ABUS/02										ITL#	3						Flat 1		Insert 2	
42																				
42																				
145	285	425	565	705	845							260	235	210	185	160				
ABUS/03										ITL#	4						Flat 1		Insert 3	
5525																				
5525																				
100	225	350	475	600	725							180	150	120						
ABUS/04										ITL#	5						Flat 1		Insert 2	
5530																				
5530																				
140	275	410	545	680	815							260	240	220	200	180				
ABUS/05										ITL#	6						Flat 1		Insert 2	
5540																				
5540																				
130	265	400	535	670	805							270	250	230	210	190	170			
ABUS/06										ITL#	7						Flat 1		Insert 2	
5545																				
5545																				
130	265	400	535	670	805							265	235	205						
ABUS/07										ITL#	8						Flat 1		Insert 2	
5550																				
5550																				
145	270	395	520	645	770							270	245	220	195					
AGE/01										ITL#	9						Flat 4		Insert 2	
-																				
2711KE																				
145	285	425	565	705	845							235	220	200	180					
AGE/02										ITL#	10						Flat 3		Insert 2	
2712																				
A191,AG2																				
120	220	320	420	520	620							235	230	210	190					
AGE/03										ITL#	11						Flat 3		Insert 2	
-																				
191/3																				
135	270	405	540	675	810							231	210	190	169					
ALFA ROMEO/01										ITL#	12	FX98					Flat 6		Insert 2	
SER 1100-1789 3100-3789 5100-5789 DOOR & TRUNK 76-80													FGK222							
X64,X79,X78 DL																				
89	195	301	407	514	620							235	205	175						
ALFA ROMEO/02										ITL#	13	FX93					Flat 6		Insert 2	
2100-2307 4100-4307 6100-6307 8100-8307 DOOR & TRUNK 66-80													FGK174							
F72Y,F72X,F72																				
221	320	418	517	615								268	244	220						

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
ALFA ROMEO/03										ITL# 181		XF90		FGK172		Flat 3		Insert 2		
A 501-3278 A44444-00000 DIRECT (SPIDER 70-80) CURTIS 1,2,3,4,5 = REED 0,9,8,4,6																				
F74T IL F44 DL																				
146	250	354	459	563						272		220		200		240	260			
ALFA ROMEO/04										ITL# 15						Flat 3		Insert 2		
D & S 114-399 614-899																				
63R,R63R DL 61																				
450	550	650	750	850	950						275	250	225							
ALFA ROMEO/05										ITL# 18		XF97		FGK263		Flat 3		Insert 2		
AL0001-1274, MILANO 1987 UP																				
X166																				
98	185	272	358	445	531	618	705	791		276	252	228	205							
ALFA-FERRARI-FIAT-YUGO										ITL# 20		XF96		FGK229		Flat 3		Insert 2		
K3301-4886,7001-8092,S0301-3300,0501-3278,T5000-6207,7001-8092																				
X152 IL FT46																				
146	250	354	459	563	667						289		238		219		258	278		
ALMONT										ITL# 21						Flat 4		Insert 2		
RE-KEY PADLOCK																				
IL 1145																				
240	390	540	690	840	990						324	312	300	288	276	264	252	240	228	216
AMERICAN										ITL# 22						Flat 3		Insert 2		
P4,P4-1/2,P5,P5-1/2,P6																				
ORIG LKB5																				
155	285	415	545	675	805						260	235	210	185	165					
AMERICAN DEVICE										ITL# 23						Flat 3		Insert 2		
LETTER BOX																				
IL R22B																				
190	315	440	565	690	815						280	262	244	226	208	190	172			
AMERICAN MOTORS/01										ITL# 24		04				Flat 3		Insert 2		
1970+ JEEP I.H. DISC																				
DL 1098X,1098																				
150	243	336	429	522						250	235	220	205	190						
AMERICAN MOTORS/02										ITL# 25		01				Flat 3		Insert 2		
PRE 1970 DISC IGNITION GAS CAP RAMBLER																				
IL 1046																				
150	243	336	429	522						250	225	200	175	150						
AMERICAN/01 (JUNKUNC)										ITL# 26		30				Flat 4		Insert 2		
PADLOCK																				
156	281	406	531	656	781						284	268	253	237	221	206	190	175		
AMERICAN/02 (JUNKUNC)										ITL# 500						Flat 4		Insert 2		
400K																				
130	255	380	505							210	195	180	165	150	135		272			
AMEROCK										ITL# 27						Flat 4		Insert 2		
IL 1179A																				
264	419	574	729	884	1039						312	298	284	270	256	242	228	214	200	186
ARCO/01										ITL# 28						Flat 3		Insert 2		
BANK BAGS AR-SERIES																				
IL SC1098X																				
125	220	315	410	505	600						250	225	200	175	150	125				

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10			
ARCO/02										ITL# 29 X18										Flat 3		Insert 2	
BANK BAGS																							
31,31R																							
187	312	437	562	687	812	937				320	285	250	215	180									
ARCO/03										ITL# 30										Flat 3		Insert 2	
RR-YY																							
187	312	437	562	687	812	937				320	302	284	266	248	230	212							
ARROW(PLYMOUTH)/01										ITL# 31										Flat 3		Insert 2	
H 0001-5143																							
X54 DL MS12																							
85	185	285	385	485	585				273	263	243	223											
ARROW(PLYMOUTH)/02										ITL# 32										Flat 3		Insert 2	
SL 5001-7000																							
X16 DL 771CH																							
105	198	291	384	477	570	663	756	849	942	315	290	265	240										
ARROW/01										ITL# 33										Flat 4		Insert 2	
STANDARD																							
IL 1014 ORIG 11																							
230	390	550	710	870	1030				320	302	284	266	248	230	212	194	176						
ARROW/02										ITL# 34										Flat 4		Insert 2	
NEW																							
IL 1179 ORIG K																							
265	420	575	730	885	1040				335	321	307	293	279	265	251	237	223	209					
ARROW/03										ITL# 27 02										Flat 4		Insert 2	
KEY-IN-KNOB(HEAVY DUTY)																							
IL 1179																							
264	419	574	729	884	1039				312	298	284	270	256	242	228	214	200	186					
ARROW/04										ITL# 36										Flat 4		Insert 2	
OLD																							
IL 1179																							
265	420	575	730	885	1040				335	315	295	275	255	235	215								
ARROW/05B										ITL# 37										Flat 4		Insert 2	
DOUBLE SIDED BOTTOM																							
IL 1025 ORIG K																							
130	320	510								295	275	255	235										
ARROW/05T										ITL# 38										Flat 4		Insert 2	
DOUBLE SIDED TOP SIDE																							
IL 1025 ORIG K																							
218	408	598								295	275	255	235										
ASSA/01										ITL# 39										Flat 2		Insert 1	
CUT TO CUT 0.170 1ST CUT 0.190 FROM BOW																							
190	360	530	700	870	1040				328	300	272	244	216	188									
ASSA/02										ITL# 40										Flat 2		Insert 1	
CUT TO CUT 0.165 1ST CUT 0.180 FROM BOW																							
180	345	510	675	840	1005				328	300	272	244	216	188									
ASSA/03										ITL# 41										Flat 6		Insert 2	
600 AND 6000																							
264	413	563	713	862	1012				159	182	206	230	253	277	300	324	348						

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
AUDI/01										ITL# 42		XF20		FGK157		Flat 3		Insert 1		
11X11-91X91 11W11-91W91																				
A81R,A81S DL																				
98	177	256	335	413	492	571	650			256	234	212								
AUDI/02										ITL# 43						Flat 3		Insert 2		
3101-5300 A 3101-5300																				
A81N DL H62VN																				
138	238	338	438	538	638	738	838	938	1038	265	230	200								
AUDI/03										ITL# 356		XF04		FGK125		Flat 3		Insert 1		
AH AN HV N NV VB 1-854 2001-2830 4001-5151 7101-8154 ENTER 2ND 4TH 6TH SP. TWI																				
X9,X88																				
105	195	235	330	425	465	590	705	745	865	300	276	252	228							
AUDI/04										ITL# 357		XF04		FGK126		Flat 3		Insert 2		
AH AN HV N NV VB 1001-1918 3001-3890 6001-7086 8201-9282																				
X9,X88																				
105	195	235	330	445	570	610	705	745	865	300	276	252	228							
AUSTIN HEALEY										ITL# 44		XF43				Flat 6		Insert 2		
FS 001-099 876-955																				
S71B DL 62DS																				
162	257	352	447	542						238	205	175								
AUTH/01										ITL# 45						Flat 1		Insert 3		
ORIG 676-1																				
150	290	430	570	710	850						270	257	245	232	220	207	195	182	170	157
AUTH/02										ITL# 46						Flat 3		Insert 2		
HL																				
HL1																				
195	325	455	585	715	845						290	270	250	230	210					
AUTH/03										ITL# 47						Flat 1		Insert 3		
IM																				
IL 1427																				
23	68	113	158	203	248						262	237	200	170	130					
AUTH/04										ITL# 48						Flat 1		Insert 2		
S																				
IL 1427																				
28	83	138	193	248	303						292	260	230	200	170					
AUTH/05										ITL# 49						Flat 1		Insert 3		
LETTER BOX E 1-99																				
T50 IL 1225N																				
16	57	98	139	180	221						260	235	200	165	130					
AUTH/06										ITL# 50						Flat 1		Insert 3		
LETTER BOX E 100-250																				
T50 IL S1225N																				
16	47	78	109	140	171						260	235	200	165	130					
B&S										ITL# 24		04				Flat 3		Insert 2		
REGULAR WAFER																				
IL H1098M																				
150	243	336	429	522						250	235	220	205	190						
BALDWIN										ITL# 51						Flat 4		Insert 2		
SE1																				
265	421	577	733	889						310	290	270	250	230	210	190				

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10		
BARGMAN																						
WAFER										ITL# 52 Flat 3 Insert 2												
IL L1098M																						
150	245	340	435	530							250	235	220	205	190							
BEST A2/01 T-B																						
A2 I.C.										ITL# 54 03 Flat 4 Insert 1 B												
IL 1114A ORIG																						
88	238	388	538	688	838	988						319	306	294	281	269	256	244	231	219	206	
BEST A4/03																						
A4 K,L,M I.C.										ITL# 56 X11 Flat 4 Insert 1 B												
DL 114																						
88	238	388	538	688	838	988						319	298	277	256	235	214					
BEST-FALCON																						
A3 K,L,M. I.C.										ITL# 53 X10 Flat 4 Insert 1 B												
88	238	388	538	688	838	988						319	301	283	265	247	229	211				
BMW CYCLE																						
111110-555550 DIRECT DIGIT #1 IS DEEPEST CUT										ITL# 57 MC10 FGK202 Flat 3 Insert 2												
DL SR61N																						
142	246	350	455	559							157	177	197	217	236							
BMW/01A																						
W1001-2019 W7001-8000 1968-76 IGN + DOOR SHOULDER SIDE										ITL# 64 XF25 Flat 7 Insert 2												
100	250	400	550							255	232	209	186	255	232	209						
BMW/01B																						
W1001-2019-W7001-8000 IGN-DOOR 1968-76 PLAIN SIDE										ITL# 58 XF25 Flat 5 Insert 2												
B80NR,B73T DL																						
180	336	492	648							255	232	209	186	255	232	209						
BMW/02																						
B101-300 B401-630 ENTER 4 FOR "A"										ITL# 59 XF26 Flat 3 Insert 2												
B77U DL WT3																						
118	220	323	425	528	630						252	228	205	181	217							
BMW/03																						
CZ 1-2000										ITL# 60 Flat 3 Insert 2												
B71F DL 64E																						
135	235	335	435	535	635						265	255	240	220	205	190	175					
BMW/04																						
D,E,F,V,Z(03-05-064)										ITL# 61 Flat 3 Insert 2												
62V0 DL 62V0																						
125	235	345	455	565	675						270	255	240	225	210							
BMW/05A																						
HB,NB 10,000-20,000 11 WAFER 1984+										ITL# 62 XF34 FGK252 Flat 3 Insert 2												
X59 IL BMW2,B																						
107	189	272	354	437	520	602	685	768	850						327	303	280	256				
BMW/05B																						
11TH SPACE FOR BMW/11 (DO NOT USE)										ITL# 63 Flat 3 Insert 2												
933																						
BMW/06A																						
SHOULDER SIDE N & W 1421-2000.										ITL# 66 Flat 3 Insert 2												
B80NR DL HF28																						
100	248	396	544	692	840						260	236	212									

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
BMW/06B							ITL#	65								Flat 3		Insert 2		
PLAIN SIDE N&W 1421-2000																				
B80NR DL HF28																				
185	333	481	629	777	925					260	236	212	188							
BMW/07A							ITL#	68								Flat 3		Insert 2		
SHOULDER SIDE A,N,W,X 1001-1420																				
DL HF18,HF26																				
100	248	396	544	692	840	988	1136					260	236	212						
BMW/07B							ITL#	67								Flat 3		Insert 2		
PLAIN SIDE A,N,W,X 1001-1420																				
DL HF18,HF26																				
185	333	481	629	777	925	1073				260	236	212	188							
BOMMER							ITL#	23								Flat 3		Insert 2		
HUDSON																				
HL2																				
190	315	440	565	690	815					280	262	244	226	208	190	172				
BRITCAR							ITL#	71	XF44			FGK106				Flat 7		Insert 2		
MID 60'S BRITISH CARS BIKE FORK LOCKS AND VOLVO																				
62DG,62H,62HR																				
162	257	352	447	617	640							238	205	175						
BRITISH CAR GAS CAPS							ITL#	72								Flat 4		Insert 2		
RR 502-579																				
B69K DL SR61N																				
160	286	412	538	664								190	170	150						
BRITISH FORD/01							ITL#	73	XF45			FGK136				Flat 3		Insert 2		
SER FT/V101-225,BC,FT/V,VM301-360,VT400-474																				
F68YT,T72C,X1																				
232	326	420	514	608								291	259	227						
BRITISH FORD/02							ITL#	74								Flat 3		Insert 2		
FT 1001-2001																				
F61K DL CE1																				
205	303	401	499	597	695	793	891	989	1087			285	255	225						
BRITISH LEYLAND/01							ITL#	75	XF41			FGK183				Flat 3		Insert 2		
BL1001-2000 RO1001-2000 W1001-2000 CRICKET SL 5001-7000																				
X50,X16 DL LF1																				
108	202	296	390	484	578	672	766	860	954			314	289	264	239					
BRITISH LEYLAND/02							ITL#	76	XF42			FGK158				Flat 3		Insert 2		
TRIUMPH MG CHRYSLER AUSTIN NH																				
M61G DL UN2																				
160	255	350	445	540	635	730	825	920	1015			314	289	264	239					
BRITISH LEYLAND/03							ITL#	77	XF70			FGK190				Flat 3		Insert 2		
2001-3000 & 3001-4949																				
X51 DL NE21																				
98	189	280	370	461	551	642	732					284	264	244	224					
BROOK NATIONAL							ITL#	78	X29							Flat 4		Insert 2		
EZ-SET																				
IL 1177N																				
248	404	506	716	872	1030							306	287	268	249	230	211	192		
CADILLAC ALLANTE							ITL#	79	XF204			FGK204				Flat 3		Insert 2		
VA DOOR & TRUNK 1987+																				
X162,B59																				
118	209	299	390	480	571							283	264	244	224					

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
CAPRI/01																				
EL & ER 1-195 PN 101-295																				
130 250 370 490 610																				
CAPRI/02																				
XL & XR 1-195																				
X21,X22 DL YM																				
140 258 376 494 612																				
CAPRI/03																				
TC 1-1000																				
X20 DL KL6																				
75 164 216 310 409 461 545 645 744 796																				
CAPRI/04																				
AK,JC ROVER AK MID 70'S *CAUTION* ENTER 2ND,4TH & 7TH CUTS TWICE																				
X86 DL CE9																				
80 175 225 320 415 465 560 660 755 805																				
CESSNA																				
-																				
IL C1054B																				
127 222 317 412 507 602																				
CHALLENGER																				
C & KEY-IN-KNOB																				
IL 1170B																				
213 369 525 681 837 993																				
CHANTRELL																				
-																				
IL 1015A																				
277 433 589 745 901 1057																				
CHESLER																				
-																				
IL 1178																				
222 378 534 690 846																				
CHEVROLET/01																				
CHEVY SPECTRUM 85+ ISUZU IMARK85+ TOY 84+ MITSB COLT 84+SPRINT																				
IL B53																				
118 236 354 472 591 709																				
CHEVROLET/02																				
CHEVY NOVA(TOYOTA) 1986+ R FOR IGN S FOR SECONDARY																				
X145,X146 IL B5																				
98 197 296 394 492 591																				
CHICAGO/01																				
PIN-TUMBLER																				
KP1,KP2,KP3,K																				
156 296 436 576 716																				
CHICAGO/02																				
AH																				
IL 1054JK																				
156 296 436 576 716 856																				
CHICAGO/03																				
-																				
KP12,KP18																				
156 296 436 576 716 856																				

SP1 SP2 SP3 SP4 SP5 SP6 SP7 SP8 SP9 S10

DP0 DP1 DP2 DP3 DP4 DP5 DP6 DP7 DP8 DP9 D10

CHICAGO/04

ITL# 93

Flat 3

Insert 2

K101,K102,K103

139 232 325 418 511 604

250

220

190

CHICAGO/05

ITL# 94

Flat 3

Insert 3

S

KP9

140 280 420 560 700 840

261 243 225 207 189 171 153 135

CHICAGO/06

ITL# 95 5

Flat 3

Insert 2

WAFER

K5,K5K,K35,K39

139 232 325 418 511 604

250 235 220 205 190

CHRYSLER/01

ITL# 96 8

Flat 3

Insert 2

BP CA CB CJ 1939 TO 1967 PIN TUMBLER

ORIG 24,26,28

146 286 426 566 706

255 230 205 180 155

CHRYSLER/02

ITL# 97 7

Flat 3

Insert 2

CV 1959 TO 1967 WAFER TRUNK/GLOVE

ORIG 30

107 200 293 386 479 572

250 225 200 175

CHRYSLER/03

ITL# 98 9

Flat 3

Insert 2

DP DS 1968 IGNITION/TRUNK PIN TUMBLER

ORIG 61

146 286 426 566 706

246 221 196 171 146

CHRYSLER/04

ITL# 99 10

Flat 3

Insert 2

EP ES 1969+ PIN TUMBLER

ORIG 61

146 286 426 566 706

246 226 206 186 166 146

CHRYSLER/05

ITL# 100 X59

Flat 3

Insert 1 A

G 0000-1394

IL P1989P

757 665 573 481 389 297 205

340 315 290 265

CHRYSLER/06

ITL# 515

Flat 3

Insert 1 A

J0001-3580 93+

IL Y155

849 757 665 573 481 389 297

340 315 290 265

CITROEN/01

ITL# 101

Flat 3

Insert 2

A,B,E,T,U,V,W,X,Y,Z 11111-77777 DIRECT DIGIT

C81H DL VC25,

80 205 330 455 580 705

200 220 240 260

CITROEN/02

ITL# 102

Flat 3

Insert 2

BT,YU,UY,AY,ZX,EX,WX,WTX,TT,VU

130 255 380 505 630 755

200 220 240 260 280

CLINTON

ITL# 103 X22

Flat 4

Insert 2

123,123A IL 102

170 326 482 638 794 950

333 320 308 295 283 270 258 245 233 220

COLE-HERSEE

ITL# 104

Flat 3

Insert 2

BOAT

IL 1122AR

125 219 313 407 501 595

250 230 210 190

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
COLT(DODGE)/01																				
H 0001-5143																				
X54 DL MS12																				
85 185 285 385 485 585																				
COLT(DODGE)/02																				
SL 5001-7000																				
X16 DL 771CH																				
105 198 291 384 477 570 663 756 849 942																				
COLUMBIA																				
FILE CABINET																				
IL 1014DX																				
125 218 311 404 497 590																				
COMMODORE/01																				
FILE CABINET																				
DL CD1																				
125 265 405 545 685																				
COMMODORE/02																				
FILE CABINET																				
DL SY1																				
150 300 450 600 750																				
CORBIN/01																				
27,57,67,77,97,99,AR,BR,BL X CLASS SYSTEM 70																				
IL R01EG ORIG																				
197 353 509 665 821 977 1133																				
CORBIN/02																				
X CLASS, PRE SYSTEM 70																				
IL 1001E ORIG																				
197 353 509 665 821 977 1133																				
CORBIN/03																				
KEY-IN-KNOB																				
ORIG S1,26,5																				
146 271 396 521 646 771																				
CORBIN/04																				
LARGE PIN NEW Z CLASS, PRE SYSTEM 70																				
250 406 562 718 874 1030 1186																				
CORBIN/05																				
BZ PUSH KEY																				
IL A1001EH ORI																				
172 297 422 547																				
CORBIN/06																				
Z CLASS, SYSTEM 70																				
IL 100G																				
250 406 562 718 874 1030 1186																				
CORBIN/07																				
S CLASS RIM CYLINDER																				
ORIG 8618C																				
197 322 447 572 697																				
CORBIN/08																				
LEVER LOCKERS																				
940 895 850 805 760 715																				

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10														
CORBIN/09																																		
CORBIN 59,60,62 MK ONLY																																		
ORIG 26,66,77,9																																		
197	353	509	665	821	977					341	326	311	296	281	266	251	236	221	206															
CORBIN/10																																		
X1-67-6																																		
ORIG 27,67,77,9																																		
197	353	509	665	821	977					329	314	299	284	269	254	239	224	209	194															
CORBIN/CCL/01																																		
2A																																		
IL 1000A ORIG																																		
219	375	531	687	843	999					332	320	307	293	280	267	252	238	224	209															
CORBIN/CCL/02																																		
C PIN-TUMBLER																																		
IL 1000B																																		
172	297	422	547	672						249	237	223	210	196	181	167	152	143																
CORBIN/CCL/03																																		
WAFER "CAT" STANDARD DISC HPC 1,3,5																																		
IL 1000V ORIG																																		
156	251	346	441	536	631					250	219	188																						
CORBIN/CCL/04																																		
WAFER PADLOCK SMALL DISC BOK1																																		
IL 1001K ORIG																																		
125	219	313	407	501						202	182	162	142																					
CORBIN/CCL/05																																		
4R-9R DIRECT DIGIT TIP TO BOW SMALL PIN																																		
IL 100F ORIG 8																																		
172	297	422	547	672	797	922				277	265	252	238	225	212	197	182	169																
CORBIN/CCL/06																																		
B4R-4T DIRECT DIGIT - SMALL PIN - TIP TO BOW																																		
IL 1003A,1003B,																																		
172	297	422	547	672	797	922				281	269	256	244	231	219	206	194	181	169															
CORBIN/CCL/07																																		
B4R NEW (SMALL PIN) DIRECT BITTING PREFIXES:4T,5T,6T,7T																																		
172	297	422	547	672	797	922				276	264	251	239	226	214	201	189	176	164															
CORBIN/CCL/08																																		
BABY PIN X AND U *DEPTH 8 = .093 CAN NOT CUT, TOO DEEP*																																		
ORIG 4196A,41																																		
172	297	422	547	672						196	188	174	161	146	132	119	106																	
CORBIN/CCL/09																																		
172	297	422	547	672	797					332	320	307	293	280	267	252	238	224	209															
CORBIN/CCL/10																																		
BABY PIN BU * DEPTH 8 = .093 TOO DEEP TO CUT																																		
219	344	469	594	719						196	188	174	161	146	132	119	106																	
CORTINA(FORD)																																		
FT 1001-2001																																		
F81K DL CE1																																		
205	303	401	499	597	695	793	891	989	1087	285	255	225																						

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10										
COUCH										ITL# 128					Flat 1					Insert 2										
SMALL LETTER BOX																														
IL 1225BL																														
87	142	197	252	307						225	200	175	150																	
COURIER(FORD)/01										ITL# 129					XF62	Flat 3		Insert 2												
002-989										FGK193																				
X36 DL MZ11																														
178	288	398	508	618						244	220	197	173																	
COURIER(FORD)/02										ITL# 130					XF63	Flat 3		Insert 1 A												
1500-2499 5000-6099										FGK204																				
X4,X5 DL MZ4																														
850	752	654	555	457	358	260				307	276	244																		
CRAFTSMAN/01										ITL# 131					Flat 3		Insert 2													
DL																														
IL C1096LN																														
255	395	535	675	815	955					272	257	242	217	202																
CRAFTSMAN/02										ITL# 132					Flat 3		Insert 2													
KE & T																														
IL C1096CN																														
275	430	585	740	895	1050					318	300	282	264	246	228	210	192	174	156											
CRAFTSMAN/03										ITL# 93					Flat 3		Insert 2													
LL TOOL BOX																														
IL 1096EN																														
139	232	325	418	511						250	220	190																		
CRICKET(CHRYSLER)/01										ITL# 31					Flat 3		Insert 2													
H 0001-5143																														
DL MS12																														
85	185	285	385	485	585					273	263	243	223																	
CRICKET(CHRYSLER)/02										ITL# 32					Flat 3		Insert 2													
SL 5001-7000																														
X16 DL 771CH																														
105	198	291	384	477	570	663	756	849	942	315	290	265	240																	
DAIHATSU										ITL# 196					XF88	Flat 5		Insert 2												
D0001-2000										FGK266																				
X174																														
98	181	264	347	429	512	595	677			327	299	272	244																	
DEXTER/01										ITL# 141					15	Flat 4		Insert 2												
PRE-1969																														
216	371	526	681	836	991					325	305	285	265	245	225	205	185													
DEXTER/02										ITL# 142					16	Flat 4		Insert 2												
NEW KEY-IN-KNOB																														
IL D1054K ORIG																														
216	371	526	681	836	991					320	305	290	275	260	245	230	215	200	185											
DEXTER/03										ITL# 143					Flat 3		Insert 2													
PIN-TUMBLER																														
IL D1054KD ORI																														
180	305	430	555	680						325	305	285	265	245			225	205	185											
DEXTER/04										ITL# 144					Flat 3		Insert 2													
WAFER																														
IL D1098X ORIG																														
150	243	336	429	522	615					248	232	216	200	184																

SP1 SP2 SP3 SP4 SP5 SP6 SP7 SP8 SP9 S10

DP0 DP1 DP2 DP3 DP4 DP5 DP6 DP7 DP8 DP9 D10

DIEBOLD/01 ITL# 139

FIXED 0.025" DROP DEPTH 1=0.370" 2=0.345"

Flat 1 Insert 3

915 850 785 720 655 590 525 460 395 330

370 345 320 295 270 245 220 195 170

DIEBOLD/02 ITL# 140

VARIABLE DROP DEPTH 1=0.375" 2=0.340"

Flat 1 Insert 3

IL D1054K

915 850 785 720 655 590 525 460 395 330

375 340 309 278 247 216 185 158

DKW/01 ITL# 145

1-67135

Flat 3 Insert 2

63 IL 63 ORIG 6

155 250 345 440 535 630 725 820 915 1010

263 248 233 218

DKW/02 ITL# 441

D,E,F,V,Z

Flat 3 Insert 2

62V0 IL 62V0

125 235 345 455 565 675 785 895 1005 1115

270 255 240 225 210

DOM SMALL PIN ITL# 503

Flat 2 Insert 2

126 224 323 421 520

264 248 232 217 201 185 169

DOMINION ITL# 147

Flat 4 Insert 2

280 436 592 748 904 1060

320 305 290 275 260 245 230 215 200

DONNER/01 ITL# 148

LOCKSET

Flat 4 Insert 2

IL 1176

225 380 535 690 845 1000

329 315 301 287 273 259 245 231 217 203

DONNER/02 ITL# 149

PADLOCK L-1

Flat 3 Insert 2

ORIG 1K

123 258 393 528 663 798

281 271 251 231 211 191 185

DURO-STEEL ITL# 479

Flat 3 Insert 2

125 220 315 410 505 600

250 230 210 190 170

EAGLE ITL# 504

Flat 4 Insert 2

LARGE PIN .179

IL 1014

179 304 429 554 679 804

320 302 284 266 248 230 212 194 176 158

EAGLE/01 ITL# 151 21

Flat 4 Insert 2

LARGE PIN-TUMBLER

IL 1014A

197 352 507 662 817 972

320 302 284 266 248 230 212 194 176 158

EAGLE/02 ITL# 152

Flat 4 Insert 2

PADLOCK PIN-TUMBLER

IL X1014F

208 363 518 673 828

320 302 284 266 248 230 212 194 176 158

EAGLE/03 ITL# 153 20

Flat 3 Insert 3

LONG

IL 1014DX

202 357 512 667 822 977

276 258 240 222 204 186 168 150 132 114

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10																									
EAGLE/04										ITL# 154 18 Flat 3 Insert 2																																			
REGULAR WAFER																																													
IL 1014J																																													
152	245	338	431	524						244	214	184																																	
EAGLE/05										ITL# 155 19 Flat 3 Insert 3																																			
SHORT																																													
IL 11625B																																													
172	297	422	547	672						276	258	240	222	204	186	168	150	132	114																										
EAGLE/06										ITL# 156 Flat 3 Insert 2																																			
WAFER A36A																																													
IL 1014JS,750																																													
90	183	276	369	462						240	225	210	195	180																															
EAGLE/07										ITL# 159 Flat 3 Insert 2																																			
ALL-STEEL																																													
IL 1014																																													
156	281	406	531	656	781					307	289	271	253	235	217	199	181	163																											
ELGIN/01										ITL# 160 Flat 3 Insert 2																																			
DL																																													
IL E1096LN																																													
255	394	533	672	811	950					272	257	242	227	212																															
ELGIN/02										ITL# 161 Flat 3 Insert 2																																			
KE																																													
IL E1096CN																																													
280	435	590	745	900	1055					318	300	282	264	246	228	210	192																												
EMHART SYSTEM 70										ITL# 162 X1 Flat 1 Insert 2																																			
SEE CORBIN 70																																													
250	406	562	718	874	1030	1186				339	311	283	255	227	199																														
ENGLISH CAM LOCKS										ITL# 163 Flat 3 Insert 2																																			
6001-6200 60001-60200 ETC																																													
L192 DL LF1,LF																																													
125	218	311	404	497	590					225	210	170																																	
EURO TRUCK										ITL# 164 XF116 Flat 3 Insert 2																																			
MACK VOLVO MARINE MAGIRUS E-M-N-U-01-100,HG140N-189N																																													
B69D,M67K IL B																																													
256	386	516	646							256	246	226	207	187																															
EVINRUDE										ITL# 479 Flat 3 Insert 2																																			
1																																													
125	220	315	410	505	600					250	230	210	190	170																															
EVINRUDE-JOHNSON										ITL# 165 Flat 3 Insert 2																																			
-																																													
IL 1098X																																													
155	250	345	440	535	630					249	217	185																																	
FALCON										ITL# 166 Flat 4 Insert 1 B																																			
-																																													
IL 1114A																																													
70	220	370	520	670	820	970				319	306	294	281	269	256	244	231	219	206																										
FALCON (WEISER)										ITL# 167 50 Flat 8 Insert 2																																			
-																																													
F54A IL A1054																																													
237	393	549	705	861	1017	1173				315	297	279	261	243	225	207	189	171	153																										

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10														
FANAL(MEXICO)										ITL# 168					Flat 4					Insert 2														
119 IL 1119 DL																																		
200	360	520	680	840	1000	1160				315	285	255	225	195																				
FIAT/01 YUGO										ITL# 169					XF91					FGK173					Flat 6					Insert 2				
1501-1900 3501-3900 DOOR & TRUNK 67-85																																		
DL SF5,SF6																																		
217	327	437	547	657	768					272	240	209																						
FIAT/02-ALPHA ROMEO										ITL# 13					XF93					FGK174					Flat 6					Insert 2				
2100-2307 4100-4307 6100-6307 8100-8307 67+																																		
F72Y,F72X,F72																																		
221	320	418	517	615					268	244	220																							
FIAT/03 IGN										ITL# 172					XF92					FGK171					Flat 3					Insert 1 A				
E1-E78 F1-F78 G1-G78 H1-H78 1-78 1965-69																																		
F69E,F69F,F69																																		
543	439	335	220					266	236	207																								
FIAT/04										ITL# 173										Flat 3					Insert 2									
D & S 114-399 614-899																																		
R63S,63S IL R6																																		
450	550	650	750	850	950	1050	1150				275	250	225																					
FIAT/05										ITL# 174										Flat 3					Insert 2									
FR 1-2000																																		
F81E DL DM9																																		
150	290	430	570	710	850	990	1130				265	245	225	205	185	165																		
FIAT/06										ITL# 176										Flat 3					Insert 3									
A 361-370																																		
140	248	356	464	572	680	788	896	1004	1112				100	115	135																			
FIAT/07										ITL# 177										Flat 2					Insert 2									
A,B,C,D 1-125																																		
330	425	520	615	710	805	900	995	1090	1185				250	230	210																			
FIAT/08										ITL# 178										Flat 3					Insert 2									
E,F,G,H 1-78																																		
410	515	620	725	830	935	1040	1145				265	235	205																					
FIAT/09										ITL# 179					XF95					Flat 3					Insert 2									
Y7001-9956,LADA(USSR),79+																																		
189	311	433	555	677	799					276	248	220	193																					
FIAT/10										ITL# 180					XF90					FGK172					Flat 3					Insert 2				
A501-A3278 A00000-44444 DIRECT DIGIT IGN 67+ CURTIS DP 1,2,3,4,5=REED 0,9,8,4,6																																		
F74T SP9																																		
146	250	354	459	563					272	220	200	240	260																					
FIAT/11										ITL# 181					XF94					FGK172					Flat 3					Insert 2				
X3301-4886,STRADA 79-80 (CURTIS 1,2,3,4,5 = REED 0,9,8,4,6)																																		
X109 IL FT43 DL																																		
146	250	354	459	563	667					272	220	200	240	260																				
FIAT/12										ITL# 20					XF96					Flat 3					Insert 2									
K SERIES ALL LOCKS (USA) STRATA 1981+ 0=0,9=1,8=2,4=3,6=4																																		
146	250	354	459	563	667					289	238	219	258	278																				

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
FIAT/13																				
Y SERIES-LADA 1979+																				
X113																				
189 311 433 555 677 799																				
FIESTA																				
TC 1-1000																				
X20 DL XL6																				
75 164 216 310 409 461 545 645 744 796																				
FLORENCE																				
LETTER BOX 1-750																				
DL 1225																				
28 83 138 193 248																				
FORD/01																				
1935 TO 1951																				
S5H ORIG 9026																				
170 295 420 545 670																				
FORD/02																				
FE,FL,FN,FZ 1952 TO 1964																				
127DP ORIG 95																				
200 325 450 575 700																				
FORD/03																				
1965 AND UP																				
167FD																				
803 653 503 353 203																				
FORD/04																				
LM (LINCOLN)																				
125D ORIG 901																				
142 267 392 517 640																				
FORD/05																				
1984 AND UP DOUBLE SIDES 10 DISCS																				
L184F IL L184F																				
1033 941 848 756 663 571 478 386 293 201																				
FORT/01																				
3000																				
KL54G,KN54G																				
130 225 320 415 510 605																				
FORT/02B																				
5000 DOUBLE BITTED BOTTOM 6 WAFER																				
K757																				
218 405 592																				
FORT/02T																				
5000 DOUBLE BITTED TOP 6 WAFER																				
K757																				
125 312 499																				
FRAIM																				
PADLOCKS #424 & 425																				
IL 1098X																				
150 243 336 429 522 615																				
GENERAL																				
181 343 504 665 827																				

SP1 SP2 SP3 SP4 SP5 SP6 SP7 SP8 SP9 S10

DP0 DP1 DP2 DP3 DP4 DP5 DP6 DP7 DP8 DP9 D10

GENERAL MOTORS/01

ITL# 194

Flat 3

Insert 2

1935-1965

107 200 293 386 479 572

250 225 200 175

GENERAL MOTORS/02

ITL# 195 25

Flat 3

Insert 2

1965 AND UP

109 201 293 385 477 569

248 223 198 173 148

GENERAL MOTORS/03

ITL# 514

Flat 3

Insert 2

J,K CHEVROLET CAVALIER 91+, GRAND AM, ACHIEVA, SKYLARK 92+

413 512 610 709 807 905

347 324 300 277 253

GENERAL MOTORS/04

ITL# 100

Flat 4

Insert 1 A

R000-999, T000-394 SATURN 92+

757 665 573 481 389 297 205

340 315 290 265

GENERAL MOTORS/05

ITL# 519

Flat 3

Insert 1

AA00 7N45

B82EZ P1102

1033 941 849 757 665 573 481 389 297 205

315 290 265 240

GEO METRO/STORM, ISUZU

ITL# 196 XF88

FGK266

Flat 5

Insert 2

U0001-2000 N5001-7000

X184 IL B65 ORI

98 181 264 347 429 512 595 677

327 299 272 244

GEO PRIZM

ITL# 196 XF88

FGK266

Flat 5

Insert 2

G001-G7NP

X192 IL B72

98 181 264 347 429 512 595 677

327 299 272 244

GEO TRACKER

ITL# 507 XF89

FGK271

Flat 4

Insert 2

18100-19299

X180 IL B69

98 181 264 347 429 512 595 677

315 299 284 268 252

GERMAN FORD/01

ITL# 197

Flat 3

Insert 2

OA 1-210

F76M DL 62FD

130 250 370 490 610 730

275 255 235

GERMAN FORD/02

ITL# 198

Flat 3

Insert 2

EL & ER 1-195 PN 101-295

130 250 370 490 610 730 850 970 1090

275 255 235

GOAL

ITL# 199 X30

Flat 4

Insert 2

184G DL GL1

209 374 539 705

331 307 283 260 236 213 189

GUARD

ITL# 200

Flat 3

Insert 2

DL GR1

150 280 410 540 670 800

275 260 245 225 195 170

HAFELE(DRAWER LOCK)

ITL# 201

Flat 3

Insert 2

AXO

IL H1122M DL 1

110 205 300 395 490

240 218 196

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10	
HARLOCK																					
ITL# 202										Flat 4 Insert 2											
IL X1014F																					
216	371	526	681	836	991						322	304	286	268	250	232	214	196	178		
HILLMAN MINX AUTO																					
ST 801-998(04-04-044)										Flat 3 Insert 2											
64T R64T DL 61																					
160	260	360	460	560	660	760	860	960	1060						243	228	213				
HON																					
FILE CABINET										Flat 3 Insert 2											
R22B IL 1003M																					
195	320	445	570	695	820						280	262	244	226	208	190	172				
HONDA/01																					
125647-866541 600 SEDAN 70-71										Flat 3 Insert 2											
H80,H81,H82,H8																					
79	177	276	374	472	571						236	217	197	177							
HONDA/02																					
2001-4949 CIVIC IGN 70 - 76										Flat 3 Insert 2											
X51 DL NE21																					
98	189	280	370	461	551	642	732						284	264	244	224					
HONDA/03																					
111111-444444 DOOR & TRUNK 73-76 DIRECT DIGIT / CUT TIP TO BOW										Flat 3 Insert 2											
X44 DL HD44,H																					
98	197	295	394	492	591						280	260	240	221							
HONDA/04																					
1001-1700 2001-2700										Flat 3 Insert 2											
X129,X71,X130																					
98	197	295	394	492	591						276	244	213								
HONDA/05																					
3001-4481 ACCORD1982+, ACURA 86+										Flat 3 Insert 2											
X128,X181,X165																					
98	197	295	394	492	591	689	787						276	244	213						
HONDA/06																					
5001-8442, 1988+, ACURA 1990+										Flat 3 Insert 2											
X182,X195,X214																					
106	191	276	360	445	530	614	699						307	295	282	269	257	244			
HONDA/CYCLE/01																					
1111-2555										Flat 3 Insert 2											
H69T,H69TR DL																					
138	276	414	552	690	828						145	175	205								
HONDA/CYCLE/02																					
101-820 121-840 1977+										Flat 3 Insert 2											
X84 DL HD63,H																					
98	197	295	394	492						276	256	236	217								
HONDA/CYCLE/03																					
T,3,4,5,6 DIRECT DIGIT USE LAST 3 #'S OF CODE 62-74										Flat 3 Insert 2											
H76H,H76WR D																					
118	256	394						209	193	177	161										
HONDA/CYCLE/04																					
00007-99998 DIR DIG MID 70'S 0/5,4/9,3/8,2/7 = 1,2,3,4										Flat 3 Insert 2											
X57,X58 IL HD7																					
98	197	295	394	492						276	217	236	256	276	217	236	256				

SP1 SP2 SP3 SP4 SP5 SP6 SP7 SP8 SP9 S10

DP0 DP1 DP2 DP3 DP4 DP5 DP6 DP7 DP8 DP9 D10

HONDA/CYCLE/05

ITL# 214 MC37

FGK206

Flat 3

Insert 2

A & B 01-99 1983+ USE LAST 3 NUMBERS OF CODE

X84 IL HD74 DL

98 197 295 394 492

276 244 213

HONDA/CYCLE/06

ITL# 215 MC33

FGK196

Flat 3

Insert 2

T 2-6-7-8-9 DIR DIG 1962-74 2,6,7,8,9 = 0,1,2,3,4

H76G,H76K,H76

118 276 433

224

209 193 177 166

HUBER

ITL# 216 X39

Flat 4

Insert 2

LARGE PIN DIRECT DIGIT BOW TO TIP

IL 1020

195 360 525 690 855

322 308 294 280 266 252 238 224 210 196

HUCK-PIN

ITL# 217

Flat 4

Insert 2

250 406 562 718 874 1030 1186

311 292 273 254 235 216 197 178

HUDSON/01

ITL# 218

Flat 3

Insert 2

HC

IL 1122

130 223 316 409 502 595

247 227 207 187 167

HUDSON/02

ITL# 219 26

Flat 3

Insert 2

L OLD H MAIL BOX

R22B

191 316 441 566 691 815

282 262 246 228 210 192 174

HUDSON/03

ITL# 222

Flat 3

Insert 2

5 PIN

R22B

191 316 441 566 691 816

290 272 254 236 218 200 182

HUDSON/04

ITL# 223

Flat 3

Insert 2

BH

22B

190 315 440 565 690 815

280 262 244 226 208

HUDSON/05

ITL# 224 X32

Flat 4

Insert 2

K 125-173 T HANDLES ON PICK-UP CAMPERS FOR "X" ENTER 10

7NX IL 1122

125 222 319 416 513 610

250 230 210 190 170

190 170 220

HURD/01

ITL# 225

Flat 3

Insert 3

1-50

IL 1125C

140 265 390 515 640

205 195 175 155 135 115

HURD/02

ITL# 226

Flat 3

Insert 2

PADLOCK

IL 1125

140 265 390 515 640

230 210 180 150

HURD/03

ITL# 227

Flat 3

Insert 3

#330A1 PADLOCK

IL 1125

140 265 390 515 640

230 217 205 192 180 167 155 142 130 117

HURD/04

ITL# 228

Flat 3

Insert 3

IL 1125D ORIG

140 265 390 515 640

233 220 207 193 180 167 154 142 129

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10					
HURD/05										ITL# 229					X38		Flat 3					Insert 3			
Y																									
IL 1125D ORIG																									
142	267	392	517	640	770						243	230	218	205	193	180	167	155	142	130					
HURD/06										ITL# 230							Flat 3					Insert 3			
T																									
IL 1125 ORIG 90																									
160	325	490	655	820	985						230	210	190	170	150	130	110								
HURD/07										ITL# 479							Flat 3					Insert 2			
WAFER																									
IL 1122A ORIG																									
125	220	315	410	505	600						250	230	210	190	170										
HURD/08										ITL# 184					22		Flat 3					Insert 3			
FORD 1935-51																									
IL 1125H ORIG																									
170	295	420	545	670						195	175	155	135	115											
HURD/09										ITL# 185					23		Flat 3					Insert 2			
FORD 1952-64																									
IL 1127DP ORIG																									
200	325	450	575	700						240	220	200	180	160											
HURD/10										ITL# 186							Flat 4					Insert 1 A			
FORD 1965 AND UP																									
IL 1167FD																									
803	653	503	353	203						340	320	300	280	260											
HURD/11										ITL# 187					X38		Flat 3					Insert 3			
LM(LINCOLN)																									
IL 1167FD ORIG																									
142	267	392	517	640						243	230	218	205	193	180	167	155	142	130						
HURD/12										ITL# 188							Flat 3					Insert 1 A			
FORD 84 AND UP																									
ORIG 184FD																									
1033	941	848	756	663	571	478	386	293	201	352	326	300	274	248											
HYUNDAI/01										ITL# 231					XF201		FGK262					Flat 3		Insert 2	
X0001-1000 EXCEL 1986+ SCOUPE 91+ Y1001-2000 SONATA																									
X160,X196 IL H																									
98	197	295	394	492	591	689	772						276	256	236	217									
HYUNDAI/02										ITL# 517					XF212		FGK276					Flat 3		Insert 2	
T0001-1000 ELANTRA 92+																									
X216 HY6																									
95	177	260	343	425	508	591	673						319	295	272	248									
ILCO/01										ITL# 232							Flat 3					Insert 2			
FN																									
IL 1054FN																									
277	433	589	745	901	1057						320	302	284	266	248	230	212								
ILCO/02										ITL# 233							Flat 3					Insert 2			
XR																									
IL 1154G																									
162	302	442	582	722						270	252	234	216	198	180	162									
ILCO/03										ITL# 234							Flat 3					Insert 2			
PADLOCK #324																									
IL B1054B																									
115	215	315	415	515	615						210	190	170	150											

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10					
ILCO/04										ITL# 235 27										Flat 3		Insert 2			
AH & F																									
IL X1054JK																									
162	287	412	537	662						270	252	234	216	198	180	162									
ILCO/05										ITL# 236										Flat 3		Insert 2			
DC																									
IL X1000F																									
260	400	540	680	820	960						325	308	290	272	254	236	218	200	182	164					
ILCO/06										ITL# 237										Flat 3		Insert 2			
CHALLENGER PADLOCK																									
IL 1054F																									
255	395	535	675	815	955						330	315	300	285	270	255	240	225	210						
ILCO/07										ITL# 238 55										Flat 3		Insert 2			
WAFER USE YALE																									
L1054 IL X0154																									
127	222	317	412	507	602						250	230	210	190	170										
ILCO/08										ITL# 239 28										Flat 4		Insert 2			
LARGE																									
X54K																									
277	433	589	745	901	1057						320	302	284	266	248	230	212	194	176	158					
ILCO/09										ITL# 240										Flat 4		Insert 2			
S																									
IL 1054A																									
160	285	410	535	660	785						275	260	245	230	215	200	185								
ILLINOIS										ITL# 192										Flat 3		Insert 2			
WAFER																									
IL 1043B ORIG																									
150	243	336	429	522	615						250	235	220	205	190										
ISUZU-GMC-TRUCK										ITL# 88 XF85										Flat 2		Insert 2			
ISUZU 85 UP GMC TRUCK A8001-9400																									
IL B53																									
118	236	354	472	591	709						325	297	270	242											
IVECO/01										ITL# 241										Flat 3		Insert 2			
1982+ TRUCK P/Z SERIES IGN ALSO FIAT,LANCIA,MAGIRUS,OM																									
IL 1V1																									
291	396	500	604	709						289	278	258	238	219											
IVECO/02										ITL# 242 XF99										Flat 3		Insert 2			
TRUNK 1982+P SERIES IGN																									
IL 1V1																									
291	396	500	604	709						289				238	219	258	278								
JAGUAR/01										ITL# 243 XF47										FGK220		Flat 3		Insert 2	
WR 2001 & XJS UP - SHORT SIDE 1 REG--SIDE 2 BUTT AGAINST INSERT 2																									
X55 DL WB2																									
63	130	197	264	331	398	465	532	598	665	325	299	274	248												
JAGUAR/02										ITL# 244 XF49										FGK264		Flat 3		Insert 2	
K0001-1005 XJ6 1988+IGN/DR																									
X177,JA2																									
169	260	350	441	531	622	713	803	894	984	268	248	228	209												
JAGUAR/03										ITL# 135 XF40										FGK133		Flat 3		Insert 2	
FR-FZ-DAT-MAZ FH-FK-FM-VH																									
X1 DL MZ12																									
158	295	433	571	707						266	246	226	206	186	167										

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10	
JUNKUNC																					
AMERICAN LOCK										ITL# 26 30 Flat 3 Insert 2											
IL 1046																					
156	281	406	531	656	781						284	268	253	237	221	206	190	175			
KABA PEAKS /01										ITL# 506 Flat 4 Insert 1 P											
.140 A2 TIP REFERENCE																					
136	276	416	556	696	836						318	305	293	280	268	255	243	230	218	205	
KABA PEAKS /02										ITL# 278 Flat 4 Insert 1 P											
.140 A4, 6 PIN, TIP REFERENCE																					
136	276	416	556	696	836						318	297	276	255	234	213					
KABA PEAKS /03										ITL# 505 Flat 4 Insert 1 P											
.150 A2 TIP REFERENCE, I.C. ONLY																					
86	236	386	536	686	836						318	305	293	280	268	255	243	230	218	205	
KABA PEAKS /04										ITL# 279 Flat 4 Insert 1 P											
.150 A2, 7 PIN, TIP REFERENCE, I.C. ONLY																					
86	236	386	536	686	836	986					318	305	293	280	268	255	243	230	218	205	
KABA PEAKS /05										ITL# 277 Flat 4 Insert 1 P											
.150 A4, 6 PIN, TIP REFERENCE, I.C. ONLY																					
86	236	386	536	686	836						318	297	276	255	234	213					
KABA PEAKS /06										ITL# 276 Flat 4 Insert 1 P											
.150 A4, 7 PIN, TIP REFERENCE, I.C. ONLY																					
86	236	386	536	686	836	986					318	297	276	255	234	213					
KAWASAKI/01										ITL# 247 FGK231 Flat 3 Insert 2											
155-164 685-689 701-705																					
X23,X24 DL KW																					
158	256	354	453							276	256	236	217								
KAWASAKI/02										ITL# 248 FGK233 Flat 3 Insert 2											
265-279																					
X35																					
118	236	354							205	185	165	146									
KAWASAKI/03										ITL# 252 FGK230 Flat 3 Insert 2											
SER 121-124 140-143 150-154 235-240 321-330 521-525 669-676																					
KW1,KW2																					
244	343	441							201	161											
KAWASAKI/04										ITL# 253 MC55 FGK234 Flat 3 Insert 2											
401-450 901-925 1973+ **MOVE DEPTHS ONE STEP UP WHEN USING REED CODES																					
X65,X66 DL YH4																					
157	256	354	453	555						236	217	197									
KAWASAKI/05										ITL# 256 MC53 FGK232 Flat 3 Insert 2											
751-795 73-78, MOVE DEPTHS ONE STEP UP WHEN USING REED CODES																					
X104																					
98	197	295	393	492	591						280	260	240	220							
KAWASAKI/06										ITL# 257 MC54 FGK235 Flat 3 Insert 2											
801-845 MID 70'S MOVE DEPTHS ONE STEP UP WHEN USING REED CODES																					
X103 ILKA13																					
98	209	319	429							258	238	218	199								

KAWASAKI/07

ITL# 258 MC52

FGK244

Flat 3

Insert 2

A,G,N 01-35 70-78 MOVE ONE STEP UP WHEN USING REED CODES

X90,X91

316 413 512 610 709 807

295 265 236

KAWASAKI/08

ITL# 259 MC50

FGK236

Flat 3

Insert 2

KZ & Z 5000-5999 1979+

X103 IL KA14

98 197 295 393 492 591

258 238 218 199

KAWASAKI/09

ITL# 260 MC51

FGK239

Flat 3

Insert 2

A,B 111111-444444 DIRECT DIG TIP TO BOW! 1979+

105,106 IL KA11

315 413 512 610 709 807

295 276 256 236

KEIL/01

ITL# 261 X17

Flat 4

Insert 2

STD

IL 1079B

245 405 565 725 885

320 302 284 266 248 230 212 194 176 158

KEIL/02

ITL# 262

Flat 1

Insert 3

R & H

IL 1270C

103 153 203 253 303 353

283 249 217 191 160

KENNEDY

ITL# 263

Flat 3

Insert 2

K TOOL BOX

1000X

140 235 330 425 520 615

245 230 215 200 185

KWIKSET/01

ITL# 264

Flat 8

Insert 2

OLD

IL 1176 DL 176

247 397 547 697 847

328 297 266 235

KWIKSET/02

ITL# 265 31

Flat 8

Insert 2

NEW, CORBIN 80 & RUSSWIN 751

54KS IL 1176

247 397 547 697 847 997

328 305 282 259 236 213 190

LOCKWOOD/01

ITL# 266 28

Flat 4

Insert 2

LARGE

35 IL 1004 DL 0

277 433 589 745 901

320 302 284 266 248 230 212 194 176 158

LOCKWOOD/02

ITL# 267 32

Flat 3

Insert 2

SMALL

IL 1004M

185 310 435 560 685 810

270 252 234 216 198 180 162

LOCKWOOD/03

ITL# 86 33

Flat 4

Insert 2

SECTIONAL

IL A1015L

277 433 589 745 901 1057

338 320 302 284 266 248 230 212 194 176

LORI/01

ITL# 268

Flat 4

Insert 2

3000

IL X1014F ORIG

216 371 526 681 836 991

284 248 212

LORI/02

ITL# 269

Flat 4

Insert 2

3200

ORIG L200

217 372 527 682 837 992 1147

284 248 212

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
LORI/03																				
1700 & P WAFER										Flat 3 Insert 2										
ORIG 1700																				
152	245	338	431	524	617					241	211	181								
LORI/04																				
4200										Flat 3 Insert 2										
ORIG L110																				
216	372	528	684	840	996					318	300	282	264	246	228	210	192	174		
LORI/05																				
SEGAL COMMON KEYWAY										Flat 3 Insert 2										
ORIG L210																				
248	404	560	716	872	1028					318	300	282	264	246	228	210				
LORI/06																				
SCHLAGE C KEYWAY										Flat 4 Insert 2										
ORIG L130																				
231	387	543	699	855	1011					318	300	282	264	246	228	210	192	174		
LORI/07																				
YALE 8 KEYWAY										Flat 4 Insert 2										
ORIG L120																				
198	363	528	693	858	1023					318	300	282	264	246	228	210	192	174		
LORI/08																				
1400 MAIL BOX PIN-TUMBLER										Flat 3 Insert 2										
ORIG L150																				
156	281	406	531	656	781					270	257	245	232	220	207	195	182	170		
LOWE & FLETCHER																				
FILE CABINET										Flat 3 Insert 3										
DL LF14 ORIG L																				
70	155	240	325	410	495					200	170	140								
LOXEM																				
601-1100										Flat 3 Insert 2										
98X IL 1908X																				
156	250	344	438	532	626					250	235	220	205	190						
LUSTER LINE/01																				
PADLOCK										Flat 3 Insert 2										
ORIG 634																				
140	260	380	500	620	740					280	255	230	205	180						
LUSTRE LINE/02																				
KEY-IN-KNOB BLANKS ILCO #1176										Flat 4 Insert 2										
T80V DL ZU1																				
170	360	550	740	930	1120					310	290	270	250	230	210	190				
LUV(GENERALMOTORS)/02																				
C 6001-7042										Flat 3 Insert 2										
X54 IL DC1 DL																				
98	197	296	394	492	591					276	256	236	217							
LYON																				
7L										Flat 1 Insert 2										
IL 1303																				
157	212	267	322	377					300	275	250	225	200	175						
MASTER/01																				
#1K &77K 15 17 81										Flat 4 Insert 2										
IL 1092,1092V D																				
187	312	437	562	687					272	257	241	226	210	195	179	164				

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
MASTER/02																				
L,N,P,S,T																				
IL 1092B ORIG																				
132 257 382 507																				
MASTER/03																				
#19																				
IL 1092H DL MA																				
218 374 530 686 842 998																				
MASTER/04																				
150/60 LARGE																				
150 279 408 537 666 795																				
MAZDA/01																				
1500-2499 3500-4600 5000-6100 TRUCK R100,1200,FORD COURIER P-UPS																				
X4,X5 DL HZ4,H																				
850 752 654 555 457 358 260																				
MAZDA/02																				
002-989 FORD COURIER 70-73																				
X36 DL MZ11																				
178 288 398 508 618																				
MAZDA/03																				
M 001-1100 COSMO																				
X60 DL MZ14																				
98 197 295 394 492 591																				
MAZDA/04																				
2500-2999 3500-4600 3000-3499 5000-6100 70-82 IF CUT ARE 1,3,5 CONVERT TO 1,2,3																				
X26,X27 IL MZ9,																				
811 713 614 516 417 319 220																				
MAZDA/05																				
6500-7733 1982+																				
X131,X178,X199																				
811 713 614 516 417 319 220																				
MAZDA/06																				
11111-44444 DIRECT DIGIT P-UP GAS CAP																				
H80 DL HD8																				
98 197 295 394 492																				
MAZDA/07																				
10100-12099																				
X188,X201,X200																				
98 181 264 347 429 512 595 677 760 843																				
MAZDA/08																				
FH & VH 0001-3948																				
X1 DL MZ12																				
158 295 433 571 707																				
MCKINNEY																				
PADLOCK																				
IL 1098X																				
150 243 336 429 522 615																				
MEDECO/01																				
10-0-11																				
244 414 584 754 924 1094																				

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
MEDECO/02 60-010(4 DEPTHS ONLY)										ITL# 299 X03					Flat 1			Insert 3		
216	386	556	726	896										206	176	146	116			
MEDECO/03 BI-AXIAL										ITL# 300					Flat 1			Insert 2		
213	275	383	445	553	615	723	785	893	955					272	247	222	197	172	147	
MEDECO/04 EXTENDED SPACES FOR MEDECO/3										ITL# 301					Flat 1			Insert 3		
1063	1125																			
MEDECO/05 LEVEL II HALF STEP DROP USE MEDECO PIN KIT # K-10 CLEAN BURRS										ITL# 302					Flat 1			Insert 3		
244	414	584	754	924	1094									265	250	235	220	205	190	175
MERCEDES/01 HD-HF-HM-HZ-ND-NF-NM-NZ M79S,M79T,M79										ITL# 303 XF30					FGK188			Flat 3		
105	195	285	375	465	555	645	735	825	915					284	264	244	224			
MERCEDES/02 KA,B,N,V,W & N 1-100 201-350 #2 IS DEEPEST CUT *WIDEN SPACE 5 M68E,M63E,RM										ITL# 304 XF32					FGK144			Flat 3		
148	267	400	518	685										226	196	218	236	252		
MERCEDES/03 HU,HY,NU,NY, 1977+ X82,X83										ITL# 62 XF33					FGK212			Flat 3		
107	189	272	354	437	520	602	685	768	850					327	303	280	256			
MERCEDES/04 D11115-D51111 MID 60'S IGNITION DIR DIG BOW TO TIP #1 IS DEEPEST CUT M68 IL H63N										ITL# 306 XF31					FGK112			Flat 3		
150	280	410	540	707										212	232	252	272	285		
MERKUR 001-1859 GERMAN FORD XR4TI SCORPIO '85+ TX SAME CUT BOTH SIDES X86 IL FC7 DL C										ITL# 307 XF13					FGK254			Flat 3		
79	174	224	319	414	464	559	657	753	803					325	301	278	254			
MG/02 F11111M-F77777M DIRECT DIGIT X12 DL NE22										ITL# 309								Flat 3		
94	199	303	407	512	610									181	197	213	228	244		
MG/03 NH 2001-3000 M81G DL UN2										ITL# 76 XF42								Flat 3		
160	255	350	445	540	635	730	825	920	1015					314	289	264	239			
MIAMI-CAREY LETTER BOX MH										ITL# 310								Flat 3		
200	320	440	560	680	800									280	262	244	226	208	190	172
MITSUBISHI FUSO 8100-9113										ITL# 518 XF213					FGK280			Flat 3		
949	850	752	654	555	457	358	260							307	276	244				

SP1 SP2 SP3 SP4 SP5 SP6 SP7 SP8 SP9 S10

DP0 DP1 DP2 DP3 DP4 DP5 DP6 DP7 DP8 DP9 D10

MITSUBISHI/01

ITL# 196 XF88

FGK266/A

Flat 5

Insert 2

E 7001-7700 LASER, COLT, ECLIPSE, MIRAGE, GALANT, TALON, VISTA WAGON

X176 IL MIT1, MI

98 181 264 347 430 513 596 679

323 296 268 241

MITSUBISHI/02

ITL# 507 XF210

FGK271

Flat 3

Insert 2

30010-32009 MIRAGE 93+

X224

98 181 264 347 429 512 595 677

315 299 284 268 252

MOPED

ITL# 312

Flat 3

Insert 2

111110-555550

B69K DL SR61N

140 245 350 455 560

165 185 205 225 240

NATIONAL/01

ITL# 313

Flat 3

Insert 2

NCR CASH REG & TELR E SERIES "RESET" & "READ"

N20, 20H ORIG

172 297 422 547 672 797

270 256 242 228 214 200 186 172 158

NATIONAL/02

ITL# 314 40

Flat 4

Insert 2

LARGE PIN TUMBLER MEDALIST

IL R1064D

250 406 562 718 874

304 291 279 266 254 241 229 216 204 191

NATIONAL/03

ITL# 315

Flat 1

Insert 2

N9M

IL 1332

98 148 198 248 298

300 275 250 225 200 175

NATIONAL/04

ITL# 316 37

Flat 3

Insert 2

WAFER

IL 1069, 1069E

156 249 342 435 528 621

1	2	3	4
250	225	200	175
0	2	4	6

NATIONAL/05A

ITL# 317

Flat 3

Insert 2

C101-575 FILE CABINET 0.125" SPACING

IL 1064AL

546 671 796 921 1046 1171

270 257 245 232 220 207 195 182 170

NATIONAL/05B

ITL# 318

Flat 3

Insert 2

C101-575 FILE CABINET 0.140" SPACING

IL 1064AL

546 686 826 966 1106

270 257 245 232 220 207 195 182 170

NATIONAL/06

ITL# 319

Flat 3

Insert 2

CASH REGISTER N20 & N20H

IL X1000FR

165 290 415 540 665 790

277 265 252 238 225 212 196 182 169 157

NATIONAL/07

ITL# 320

Flat 3

Insert 2

CASH REGISTER

IL X1000FR

297 422 547 672 797 922

265 252 240 227 202 190 177 165 152

NATIONAL/08

ITL# 321

Flat 1

Insert 2

LOCKERS

IL 1332

146 198 250 302 354

300 275 250 225 200 175

NATIONAL/09

ITL# 322 39

Flat 3

Insert 2

LETTER BOX

150 290 430 570 710

use insert #3 for some

270 257 245 232 220 207 195 182 170 157

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10									
NATIONAL/10																													
REGULAR PIN-TUMBLER																													
IL 1069L ORIG																													
150	290	430	570	710	850	ITL# 45 39				Flat 4				Insert 2															
NATIONAL/11																													
CASH REGISTER WAFER																													
IL L1054B																													
155	248	341	434	527	ITL# 334				Flat 3				Insert 2																
NISSAN/01																													
FH & VH 1-3948																													
X1 DL MZ12																													
158	295	433	571	707	ITL# 135 XF40				FGK133				Flat 3																
NISSAN/02																													
M 4001-8000 N1001-2000 SUBARU F001-F1000 W001-1000																													
X114,X115,X6,X																													
158	256	354	453	551	650	ITL# 136 XF60				FGK134				Flat 3															
NISSAN/03																													
E601-900 1001-1150 3001-3150 5001-5900 6001-6900 9001-9150																													
D80D,D80E,D80																													
158	256	354	453	551	ITL# 137 XF61				FGK132				Flat 3																
NISSAN/04																													
X0001-X8000, Y0001-Y8000, 1982+ NISSAN/DATSUN																													
X123,X124,X197																													
114	197	280	362	445	528	610	693	ITL# 138 XF67				FGK228				Flat 3													
NORTON CYCLES																													
E,J,R 1-50 K/S 1-99																													
S71B,V76T DL 6																													
162	257	352	447	542	ITL# 44 XF43				Flat 4				Insert 2																
NORWALK/01																													
PIN-TUMBLER																													
IL 1017B																													
260	416	572	728	884	ITL# 324				Flat 4				Insert 2																
NORWALK/02																													
84 LARGE PIN CORRUGATED TYPE(1017)																													
IL 1017,1017A																													
200	372	544	716	888	1060	1153	1231	ITL# 325 X41				Flat 8				Insert 2													
NORWALK/03																													
LARGE PIN SECTIONAL B,N,V,W																													
IL 1017BL,1017																													
190	362	534	706	878	1050	ITL# 326 X42				Flat 8				Insert 2															
NSU/P																													
A,N,W,X 1001-1420 N&W 1421-2000 W7001-7645 PLAIN SIDE																													
DL HF18,HF26																													
185	333	481	629	777	925	1073	ITL# 67				Flat 3				Insert 2														
NSU/S																													
A,N,W,X 1001-1420 N&W 1421-2000 W7001-7645 SHOULDER SIDE																													
DL HF18,HF26																													
100	248	396	544	692	840	988	1136	ITL# 68				Flat 3				Insert 2													
OCTAGON																													
KEY-IN-KNOB C																													
ORIG 924C																													
230	387	544	701	858	1015	ITL# 327				Flat 4				Insert 2															

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
OPEL/01 ITL# 328										Flat 3 Insert 2										
SC,SD,SL,SW,SW,DS,LSC 1-240																				
135	225	315	405	495	585	675	765	855	945	257		227		197						
OPEL/02A ITL# 330										Flat 3 Insert 2										
1-001 TO 4-345 & 5-001 TO 9-250 SHOULDER SIDE																				
155	275	395	515	635	755	875	995	1115		197	217	237	250							
OPEL/02B ITL# 329										Flat 3 Insert 2										
1-002 TO 4-345 5-001 TO 9-250 PLAIN SIDE																				
175	295	415	535	655	775	895	1015	1135									217	237	250	
OPEL/03 ITL# 331										Flat 3 Insert 2										
C 6001-7026																				
X54 DL SZ5																				
95	195	295	395	495	595	695	795	895	995	280	260	240	220							
OPEL/04A ITL# 333										Flat 3 Insert 2										
B,C,D,EC 1-380 SHOULDER SIDE																				
180	335	490	645	800	955	1110				262	237	212	187	170						
OPEL/04B ITL# 332										Flat 3 Insert 2										
B,C,D,EC 1-380 PLAIN SIDE																				
115	270	425	580	735	890	1045	1200			262	237	212	187	162						
OPEL/05A ITL# 445 XF03										Flat 3 Insert 2										
BB,CC,DD,EE,FF 501-3000 SHOULDER SIDE																				
180	336	492	648	804						255	232	209	186	172						
OPEL/05B ITL# 332										Flat 3 Insert 2										
BB,CC,DD,EE,FF 501-3000 PLAIN SIDE																				
115	270	425	580	735	890	1045	1200			262	237	212	187	162						
OPEL/06 ITL# 336										Flat 3 Insert 2										
K & P 001-150																				
63L,63VG DL L6																				
155	274	393	512	631	750	869	988	1107		255	235	215	195							
OPEL/07 ITL# 441										Flat 3 Insert 2										
D,E,F,V,Z																				
62VO DL 62VO																				
125	235	345	455	565	675	785	895	1005	1115	270	255	240	225	210						
PANTERA ITL# 182										Flat 3 Insert 2										
TC 1-1000																				
X20 DL KL6																				
75	164	216	310	409	461	545	645	744	796	320	295	270	245							
PARKER ITL# 337 X37										Flat 4 Insert 2										
LARGE PIN OLD & NEW (BRAZIL)																				
IL 1145																				
231	387	543	699	855	1011					335	320	305	290	275	260	245	230	215	200	
PENN/01 ITL# 338 X23										Flat 4 Insert 2										
STANDARD																				
IL 1016N																				
190	346	502	658	814	970					365	340	315	290	265	240	215	190			

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
PENN/02																				
LARGE																				
IL 1016N																				
185 341 497 653 809 965										360 335 310 285 260 235 210										
PEUGEOT																				
01E-649E, 85+ TRUNK AND GLOVE										FGK256 Flat 2 Insert 2										
X148 IL PG5																				
142 240 339 437 535										287 264 240 217 193										
PEUGEOT/01																				
F11111M-F77777M DIRECT DIGIT										FGK165 Flat 3 Insert 2										
X12 DL NE32																				
94 199 303 407 512										181 197 213 228 244										
PEUGEOT/02																				
S,T,X,Y,Z PRE 60'S										Flat 3 Insert 2										
63N DL 63Q																				
145 250 355 460 565										180 195 210 225 240										
PEUGEOT/03																				
B,E,G,H,J DIR DIG E=0,J=1,H=2,G=3,B=4,WARD=5/SPC6										FGK221 Flat 3 Insert 2										
X116 IL RN24 D																				
94 199 303 407 512 640										299 288 268 248 225 220										
PEUGEOT/04																				
A +5 DIGITS DIRECT DIGIT										Flat 3 Insert 2										
P67F DL 63P																				
145 245 345 445 545										250 230 210 185 160										
PEUGEOT/05																				
44444-00000 DIRECT DIGIT										FGK217 Flat 3 Insert 2										
X12 DL NE32																				
94 199 303 407 512										272 205 181 228 252										
PEUGEOT/06																				
V '77-78										Flat 3 Insert 2										
X89 DL KM9																				
220 315 410 505 600 695										272 248 224										
PEUGEOT/07																				
E01-E649 TRUNK AND GLOVE 1965+										FGK241 Flat 3 Insert 2										
P73U IL V91P D																				
146 244 343 441 539										280 256 232 209 185										
PEUGEOT/08																				
V1-224 & C,J,R,W,Y,Z1-224 TRUNK AND GLOVE 1977+										FGK223 Flat 4 Insert 2										
P64K,62U,X89,S																				
520 425 331 236 142										272 248 224										
PEUGEOT/09																				
11A111-43A555 TRUNK AND GLOVE 1965-79										FGK224 Flat 3 Insert 2										
P67F,63P DL 63																				
148 246 344 443 541										248 224 201 177 154										
PEUGEOT/10																				
01E-649E, 1985+ TRUNK & GLOVE										FGK256 Flat 3 Insert 2										
X148 IL PG5																				
142 240 339 437 535										287 264 240 217 193										
PONTIAC LEMANS																				
S SER 1988+										FGK269 Flat 3 Insert 2										
X168,B61																				
106 189 271 354 436 519 601 684 766 849										325 301 278 254										

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10							
PORSCHÉ/01										ITL# 350										Flat 3		Insert 2					
5406-5552																											
63 DL 63																											
165	260	355	450	545	640	735	830	925	1020	265	250	235	220														
PORSCHÉ/02										ITL# 351										Flat 3		Insert 3					
FL 1-1800																											
P79A DL KP1																											
150	288	426	564	702	840	978	1116			265	245	226	207	188	165	145	129										
PORSCHÉ/03										ITL# 352										Flat 3		Insert 2					
K 100-199																											
P68Z DK 64K																											
240	365	490	615	740						260	252	238	224	210													
PORSCHÉ/04										ITL# 353										Flat 3		Insert 2					
K 300-399																											
P69A DL DM4																											
235	363	491	619	747	875	1003	1131			255	237	219	210	183													
PORSCHÉ/05										ITL# 354										XF36		FGK156		Flat 3		Insert 2	
HC & NC 1-2080																											
A81M,A81L DL																											
118	197	276	354	433	512	591	669	748	827	272	252	232	213														
PORSCHÉ/06										ITL# 355										Flat 3		Insert 2					
G & SG 1-540 SC,SD & SO 1-750																											
135 225 315 405 495 585 675 765 855 945										257 242 227 212 197																	
PORSCHÉ/07										ITL# 356										FGK125		Flat 3		Insert 2			
AH AN HV N NV VB 1-854 2001-2830 4001-5151 7101-8154																											
ENTER 2ND, 4T																											
105	195	235	330	425	465	590	705	745	865	300	276	252	228														
PORSCHÉ/08										ITL# 357										FGK 126		Flat 3		Insert 2			
AH AN HV N NV VB 1001-1918 3001-3890 6001-7086 8201-9282																											
ENTER 2ND, 5T																											
105	195	235	330	445	570	610	705	745	865	300	276	252	228														
PUNDRA/01										ITL# 358										Flat 3		Insert 2					
-																											
DL PU3																											
125	220	315	410	505						250	210	180															
PUNDRA/02										ITL# 359										05		Flat 3		Insert 2			
K 125-187 STANLEY T HANDLES																											
IL 1866-10 ORI																											
139	232	325	418	511						250	235	220	205	190													
RAMBLER										ITL# 25										01		Flat 3		Insert 2			
1970 AND UP																											
IL 1970AM																											
150	243	336	429	522						250	225	200	175	150													
READING										ITL# 360										X19		Flat 4		Insert 2			
STANDARD																											
IL 1019,1019D																											
200	355	510	665	820						345	330	315	300	285	270	255	240	225	210								
REESE/01										ITL# 361												Flat 3		Insert 2			
PADLOCK																											
IL 1140G																											
250	375	500	625	750	875	1000	1125			256	241	226	211	196	181	166	151										

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
REESE/02																				
PADLOCK 250,490																				
IL 1098DB																				
150	243	336	429	522	615					250	235	220	205	190						
RENAULT/01																				
S,T,X,Y,Z PRE 1960																				
63N DL 63Q																				
145	250	355	460	565	670					180	195	210		225		240				
RENAULT/02																				
S,T,X,Y,Z 1960+																				
63N DL 63Q																				
160	290	420	550	710					180	195	210		225		240					
RENAULT/03																				
1111E-4444E IGN 1960'S DIRECT DIGIT SERIES																				
R80B																				
157	287	417	547					XF107	FGK209				Flat 3			Insert 2				
RENAULT/04																				
SER 11111-77777 DIR DIG ANY LTR BEFORE OR AFTER #																				
DL R63Q,NE20																				
150	252	354	456	558					190	205	220		235		250					
RENAULT/05																				
DIRECT DIGIT E=1,D=2,C=3,G=4,B=5 DOOR&TRUNK 1977 ALSO TV CODES																				
X85,X92 IL RN2																				
87	191	295	400	504	608					299	283	256	252	228						
RENAULT/06																				
LeCAR IGNITION 11111-44444 DIRECT DIGIT																				
X12 DL NE22 E																				
95	200	305	410	515					178	196	210	227								
RENAULT/07																				
PEUGEOT,AMC,SIMCA E,M,N,P,R DEPTH 0=E,1=R,2=P,3=N,4=M,5/SP6=WARD																				
X116 DL NE34 I																				
94	199	303	407	512	616					299	278	258	236	217	220					
RENAULT/08																				
1986 SLOT KEY M,N,P,R,S S=0,R=1,P=2,N=3,M=4 DIRECT DIGIT																				
IL RN30																				
94	199	303	407	512	616					299	278	258	236	217						
RENAULT/09																				
2700-4816D 1981+ DOOR/TRUNK																				
X122 DL NE46																				
189	287	386	484	583	681					287	264	240	217							
RENAULT/10																				
A/Z222222-999999 1976 DOOR/TRUNK DIRECT DIGIT DP9=0 DP5=1 DP2=2																				
X61 DL NE40 C																				
91	195	299	404	508	612					197				226		256				
RENAULT/11																				
1R000-3R1837 1970'S DOOR & TRUNK																				
DL VC29 ILCO																				
150	248	347	445	543	642					299	283	268	252	236						
RENAULT/12																				
PEUGEOT X12 DIR DIG FROM BOW 0=0 9=1 8=2 4=3 6=4 1971-79																				
X12 DL NE32 IL																				
94	199	303	407	512					272				205		181	228	252			

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10							
RIFKIN										ITL# 384										Flat 3		Insert 3					
BANK BAGS																											
YALE 10-1/2																											
146	286	426	566	706	846						250	232	214	196	178	160	142										
RIXSON										ITL# 374										X25		Flat 4		Insert 2			
RIXSON-FIREMARK INC LARGE PIN																											
80																											
200	365	530	695	860						310	290	270	250	230	210	190	170	150									
RUSSWIN/01										ITL# 375												Flat 4		Insert 2			
752 OLD																											
ILCO 1012A																											
375	531	687	843	999	1155						315	295	275	255	235	215	195										
RUSSWIN/02										ITL# 112										X46		Flat 3		Insert 2			
SMALL																											
ILCO X1000KR																											
146	271	396	521	646	771						250	236	222	208	194	180	166	152	138	124							
RUSSWIN/03										ITL# 377												Flat 4		Insert 2			
LARGE																											
55 ILCO 1011 D																											
250	406	562	718	874	1030						315	295	275	255	235	215	195										
RUSSWIN/04										ITL# 378												Flat 4		Insert 2			
R																											
55P ILCO 1011P																											
250	406	562	718	874	1030						330	315	300	285	270	255	240	225	210								
RUSSWIN/05										ITL# 379										42		Flat 4		Insert 2			
SECTIONAL																											
ILCO 1011D1 D																											
250	406	562	718	874	1030						343	328	313	298	283	268	253	238	223	208							
RUSSWIN/06										ITL# 380										41		Flat 4		Insert 2			
STANDARD + SERIES K IS 5 PIN N IS 6 PIN LARGE PIN																											
ILCO 1011D1 E																											
250	406	562	718	874	1030						328	313	298	283	268	253	238	223	208	193							
SAAB/01										ITL# 382										XF57		FGK100		Flat 1		Insert 2	
21001-23300 201001-20300 221001-223300 301001-303300																											
S66L,X31,65V D																											
157	299	441	583	724	866						157	185	213	240													
SAAB/02										ITL# 383										XF56		FGK210		Flat 3		Insert 2	
AC1-1000 AC1001-2000																											
X52 DL SB9,CU																											
87	173	260	346	433	520	606	693	780	866						283	260	236	213									
SARGENT&GREENLEAF/01										ITL# 384										56		Flat 3		Insert 3			
FILE CABINET																											
ILCO 997E																											
146	286	426	566	706	846						268	250	232	214	196	178	160	142									
SARGENT&GREENLEAF/02										ITL# 385												Flat 1		Insert 2			
GUARD KEY FLAT STEEL USE SLOTTING CUTTER!																											
-																											
807	760	705	650	595	540						275	255	235	215	195	175	155										
SARGENT&GREENLEAF/03										ITL# 386												Flat 1		Insert 2			
LOCKER LOCKS FLAT STEEL USE SLOTTING CUTTER!																											
-																											
905	860	815	770	725	680	635				271	251	231	211	191	171	151											

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
SARGENT&GREENLEAF/04 ITL# 387										Flat 1 Insert 2										
SAFETY DEPOSIT LOCKS FLAT STEEL USE SLOTTING CUTTER!																				
807	760	705	650	595	540	320	300	280	260	240	220	200	180	160						
SARGENT/01 ITL# 388 44										Flat 4 Insert 2										
MK SECTIONAL & S																				
ILCO 1007KMA																				
215	371	527	683	839	995	1151	330	310	290	270	250	230	210	190	170	150				
SARGENT/02 ITL# 389 43										Flat 4 Insert 2										
U																				
ILCO L1010N D																				
215	371	527	683	839	995	1151	330	318	305	293	280	268	255	243	230	218				
SARGENT/03 ITL# 390										Flat 3 Insert 2										
8M SMALL																				
ILCO 1010B																				
141	266	391	516	641	766	286	273	261	248	236	223	211	198	186	173					
SCHLAGE/01 ITL# 391 45										Flat 4 Insert 2										
PIN-TUMBLER																				
145 ILCO A1145																				
231	387	543	699	855	1011	335	320	305	290	275	260	245	230	215	200					
SCHLAGE/02 ITL# 392										Flat 8 Insert 1										
OLD WAFFER - USE CUT 9 TO WIDEN TIP CUT																				
707A,SC22																				
270	396	522	648	774	900	1026	1184	1260	296	220										
SECURITY ITL# 393										Flat 3 Insert 2										
243	398	553	708	863	1018	320	305	290	275	260	245	230								
SEGAL/01 ITL# 394										Flat 4 Insert 2										
OLD																				
ILCO 01022AR																				
245	401	557	713	869	1025	1181	315	295	275	255	235	215	195	175						
SEGAL/02 ITL# 395										Flat 4 Insert 2										
1955 & UP ARROW																				
ILCO 1022																				
260	415	570	725	880	306	286	266	246	226	206	186									
SIMCA ITL# 396										Flat 3 Insert 2										
LETTER-5 NUMBERS-LETTER DIR DIGIT																				
M68T DL NE18 I																				
94	198	302	406	510	614	718	183	199	215	231	247									
SKILLMAN ITL# 397										Flat 4 Insert 2										
KEY-IN-KNOB																				
ILCO R1001EN																				
197	353	509	665	821	977	328	314	300	286	272	258	244	230	216	202					
SLAYMAKER/01 ITL# 398										Flat 4 Insert 2										
PIN-TUMBLER																				
ILCO 1074B																				
220	375	530	685	840	995	320	295	270	245	220	195									
SLAYMAKER/02 ITL# 399										Flat 3 Insert 3										
WAFFER(PHONE LOCK)																				
ILCO 1155B																				
165	250	335	420	505	200	185	170	155	140											

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10										
SLAYMAKER/03										ITL# 400					Flat 3					Insert 2										
PADLOCK WAFER #701																														
ILCO 1120D																														
160	253	346	439	532							282	252	222																	
SLAYMAKER/04										ITL# 401					Flat 3					Insert 2										
#66 PADLOCK																														
K266																														
167	317	467	617	767							295	260	235	210	185															
SOTOH										ITL# 402					Flat 3					Insert 2										
BUCK TRACTOR																														
TAYLOR V78JK																														
80	160	240	320	400	480							262	249	236	223	210														
STERLING										ITL# 403					XF48	FGK260					Flat 3					Insert 2				
87+EL SER FORD TRUCK 86+ E SER																														
98	185	272	358	445	531	626	673	768	815		299	276	252	228																
SUBARU/01										ITL# 134					Flat 3					Insert 2										
E 601-900 TRUNK																														
D72Z DL SJ4																														
150	250	350	450	550	650	750	850	950	1050		235	218	198	178																
SUBARU/02										ITL# 136					FGK134					Flat 3					Insert 2					
F001-1000 W001-1000																														
X6 DL SJ1, ESP																														
157	256	354	453	551	650							276	256	236	216															
SUBARU/03										ITL# 138					XF67	FGK228					Flat 3					Insert 2				
X8001-9000 Y8001-9000																														
X123,X124																														
114	197	280	362	445	528	610	693					276	256	236	217															
SUBARU/04										ITL# 508					FGK132					Flat 3					Insert 2					
E601-900																														
157	256	354	453	551	650							236	217	197	177															
SUNAR-DOM										ITL# 405					Flat 3					Insert 2										
2C2000																														
DL DM21																														
120	218	316	414	512	610	708	806	904	1002		260	245	230	215	200															
SUZUKI SAMURAI										ITL# 285					XF80	FGK131/B					Flat 3					Insert 2				
U3001-4000, U7001-8200 CHEVY NOVA(TOYOTA) 1986+ R FOR IGN S FOR SECONDARY																														
98	197	296	394	492	591							276	256	236	217															
SUZUKI SIDEKICK										ITL# 507					XF89	FGK271					Flat 4					Insert 2				
18100-19299																														
X186,SUZ17																														
98	181	264	347	429	512	595	677					315	299	284	268	252														
SUZUKI SWIFT										ITL# 196					XF88						Flat 1					Insert 2				
U0001-2000																														
X185,SUZ15																														
98	181	264	347	430	513	596	679					323	296	268	241															
SUZUKI/01										ITL# 406					MC70	Flat 3					Insert 2									
'77/8 101-460																														
X87 DL SK11																														
98	197	295	394	492	591							275	256	236	217															

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10														
SUZUKI/02										ITL# 407					Flat 3					Insert 2														
1111-4555 DIRECT DIGIT																																		
S74H,G,K,J 1ST																																		
285	425	565	705	845	985	1125				150	180	210																						
SUZUKI/03										ITL# 408					Flat 3					Insert 2														
11111-44444 DIRECT DIG USING 1ST 4 #S																																		
X11 DL SK5																																		
70	170	270	370	470						175	195	215	235																					
TAUNUS/01										ITL# 82					Flat 3					Insert 2														
GERMAND FORD TC 1-2000																																		
X20 DL KL6 ES																																		
75	164	216	310	409	461	545	645	744	796	320	295	270	245																					
TAUNUS/02										ITL# 198					Flat 3					Insert 2														
GERMAN FORD PN 101-295 EL & ER 1-195																																		
130	250	370	490	610	730	850	970	1090			275	255	235																					
TAUNUS/03										ITL# 197					Flat 3					Insert 2														
GERMAN FORD OA 1-210																																		
F76M DL H62FD																																		
130	250	370	490	610	730					275	255	235																						
TAYLOR/01										ITL# 411					Flat 3					Insert 2														
WAFER FILE CABINET																																		
ILCO 1141K ORI																																		
120	213	306	399	492						210	190	170	150																					
TAYLOR/02										ITL# 412					49	Flat 4					Insert 2													
LARGE																																		
111GE ILCO 11																																		
235	390	545	700	855						322	302	282	262	242	222	202																		
TAYLOR/03										ITL# 413					Flat 4					Insert 3														
111K																																		
141	282	423	564	705	846						250	230	210	190	170	150	130																	
TELE-LOCK										ITL# 415					Flat 3					Insert 3														
TELEPHONE LOCKS																																		
ILCO 1155B																																		
125	250	375	500	625						185	170	155	140																					
TOYOTA/01										ITL# 511					FGK130					Flat 3					Insert 1 A									
1001-4200 TR & GL BOX 65-68 5 SPACES ONLY 6TH & 7TH ADDED TO FLATTEN TIP																																		
T78M ILCO TR1																																		
567	449	331	213	95	55	15				256	276	295				256	276	295																
TOYOTA/02										ITL# 417					Flat 3					Insert 2														
PRE 69 511121-515543 55112-555424 611121-615543 651112-655424																																		
T69R DL TA6																																		
70	170	270	370	470	570						232	216	197	178																				
TOYOTA/03										ITL# 418					XF84					Flat 3					Insert 2									
1116-6662 111212-61661																																		
138	276	414	552	690	820						220	189	157																					
TOYOTA/04										ITL# 285					XF80					FGK131					Flat 3					Insert 2				
TOYOTA D,F,K,P,R,S ISUZU/LUV C MITSUB H CHEVY SPR U HYUNDAI Z0001+																																		
T80R,X137,145,																																		
98	197	295	394	492	591						276	256	236	217																				

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
TOYOTA/05										ITL# 416	XF82					Flat 3		Insert 2		
'77/8 1001-2500 3001-4500 5001-6500																				
T81B,X46 DL TA																				
178	284	390	496	602	708							268	248	228	208					
TOYOTA/06										ITL# 421	XF81			AGK613		Flat 3		Insert 2		
A 1-4640 M5551-9280 N1921-2200,T3400,7899																				
T80V,T80U DL Z																				
82	181	280	378	476	575							217	236	256	276					
TOYOTA/07										ITL# 512	XF87			FGK259		Flat 3		Insert 2		
S0001-2000																				
X151																				
128	211	293	376	459	541	624	707					315	301	287	274	260	246	232		
TOYOTA/08										ITL# 196	XF88			FGK266		Flat 5		Insert 2		
G,P 1-2000,1989 &UP X, W0001-2000 TOYOTA CELICA SPORT COUPE 1991 MR2																				
X174,ILCO TR4																				
98	181	264	347	429	511	595	677					327	299	272	244					
TOYOTA/09										ITL# 513	XF208			FGK277		Flat 3		Insert 1 A		
10001-15000 CAMRY 92+ GEO 93+																				
X217 ILCO TR4																				
882	791	701	610	520	429	339	248					325	299	274	248					
TOYOTA/10										ITL# 516	XF209			FGK279		Flat 3		Insert 2		
N0001-2000 COROLLA WAGON 93+																				
X223 ILCO TR5																				
102	197	291	386	480	575	669						323	299	276	252					
TRIUMPH/01										ITL# 423						Flat 3		Insert 2		
CYCLES FK,FS 1-99 876-955																				
S71B,V76T DL 6																				
155	250	345	440	535								238	205	172						
TRIUMPH/02										ITL# 424						Flat 3		Insert 1		
NH 2000-3001																				
M81G DL UN2 E																				
160	255	350	445	540	635	730	825	920	1015			305	290	270	250					
TRIUMPH/03L										ITL# 425						Flat 3		Insert 1		
WR 1001-2000 LONG SIDE																				
X55 DL WB1																				
265	345	425	505	585	665	745	825	905	985			255	275	300	330					
TRIUMPH/03S										ITL# 426						Flat 3		Insert 1		
WR 1001-2000 SHORT SIDE																				
X55 DL WB1																				
190	270	350	430	510	590	670	750	830	910			255	275	300	330					
TRIUMPH/04										ITL# 427						Flat 6		Insert 2		
TR3 FP 626-750 & FR 751-875																				
62DL/N DL 62D																				
145	245	345	445	545	645							235	205	175						
TRIUMPH/05										ITL# 243	XF47					Flat 3		Insert 2		
WR 2001 & UP CUT SIDE 1 REG-- SIDE 2 BUTT AGAINST INSERT 2																				
X55 DL WB2																				
63	130	197	264	331	398	465	532	598	665			325	299	274	248					
TRIUMPH/05L										ITL# 428						Flat 3		Insert 1		
WR 2001 & UP LONG SIDE																				
X55 DL WB2																				
135	202	269	336	403	470	537	604	671	738			327	302	277	248					

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
VOLKSWAGEN/09										ITL# 448					FGK124		Flat 3		Insert 2	
U,V 1-1000																				
V72B/N DL 63V																				
158	285	413	541	669	797							256	236	217	197	177				
VOLKSWAGEN/10A										ITL# 433	XF5				FGK108		Flat 3		Insert 1	
A,T 3001-6150 SHOULDER SIDE																				
V70D,V72L DL 6																				
100	250	400	550									262	238	214						
VOLKSWAGEN/10B										ITL# 432	XF5				FGK108		Flat 3		Insert 1	
A,T 3001-6150 1A1-74A74 PLAIN SIDE																				
V70D,V72L DL 6																				
175	325	425	625									262	238	214						
VOLKSWAGEN/11A										ITL# 438	XF07				FGK114		Flat 3		Insert 2	
DV 01-01 TO 64-64 SHOULDER SIDE																				
V77V DL KL5																				
220	358	496	634	772								310	285	262	239					
VOLKSWAGEN/11B										ITL# 437	XF07				FGK114		Flat 3		Insert 2	
DV 01-01 TO 64064 PLAIN SIDE																				
V77V DL KL5																				
180	318	456	594	732								310	285	262	239					
VOLKSWAGEN/12A										ITL# 445	XF3				FGK119		Flat 3		Insert 2	
11K001-72K110 11L001-72L110 SHOULDER SIDE																				
V78J,JK,G,V81																				
180	336	492	648	804								255	232	209	186	172				
VOLKSWAGEN/12B										ITL# 444	XF3				FGK119		Flat 3		Insert 2	
11K001-72K110 11L001-72L110 11M001-72M110 11R001-72R110 PLAIN SIDE																				
V78J,JK,G,V81																				
104	260	416	572	728								255	232	209	186	172				
VOLKSWAGEN/13										ITL# 356					FGK125		Flat 3		Insert 2	
AH AN HV N NV VB 1-854 2001-2830 4001-5151 7101-8154																				
ENTER 2ND, 4T																				
105	195	235	330	425	465	590	705	745	865			300	276	252	228					
VOLKSWAGEN/14										ITL# 357					FGK126		Flat 3		Insert 2	
AH AN HV N NV VB 1001-1918 3001-3890 6001-7086 8201-9282 ENTER 2ND																				
X9 DL CA1 ESP																				
105	195	235	330	445	570	610	705	745	865			300	276	252	228					
VOLKSWAGEN/15A										ITL# 446	XF04						Flat 3		Insert 2	
AH AN HV NV N VB 1-9282 ENTER 2ND 4TH 5TH AND 6TH SPACES TWICE																				
X9,X88																				
105	195	235	330	425	465	570	610	705	745			300	276	252	228					
VOLKSWAGEN/15B										ITL# 447	XF04						Flat 3		Insert 2	
TIED TO PREVIOUS CODE																				
865																				
												300	276	252	228					
VOLKSWAGEN/16										ITL# 449					FGK127		Flat 3		Insert 2	
01VA01-55VA99 FIRST 2 DIGITS=2,4,6,8 CUTS																				
X8 DL HF27 L																				
95	189	284	378	472	567	661	756	850				284	268	252	236					
VOLKSWAGEN/17										ITL# 450	XF8				FGK242		Flat 3		Insert 2	
501-790																				
X132																				
126	220	315	409	504								289	260	230						

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
VOLKSWAGEN/18										ITL# 453	XF6	FGK199		Flat 3		Insert 2				
FB1-210 DASHER TRUNK,GLOVE RABBIT GLOVE																				
X53 DL HF36 C																				
140	260	380	500	620	740					282		262		238						
VOLVO/01										ITL# 455				Flat 2		Insert 2				
OAA 1-2663																				
V70A DL VL1																				
120	240	360	480	600	720					278	258	238	218	198						
VOLVO/02										ITL# 456	XF50	FGK103		Flat 3		Insert 2				
IGN E11111-E555555 V-W 11115A-51111A DIRECT DIGIT, 1 IS DEEPEST AND 5 SHALLOWEST																				
V79D																				
150	280	410	540	670					212	232	252	272	285							
VOLVO/03										ITL# 71				Flat 6		Insert 2				
FA,FP,FR																				
162	257	352	447	617	640					238	205	175								
VOLVO/04										ITL# 460	XF51	FGK195		Flat 3		Insert 2				
IGN 7001-9000 SEC 6250-6499																				
X29,30 DL NE24																				
98	185	272	359	446	533	643	684	817	858	298	275	252	229							
VOLVO/05										ITL# 461	XF52	FGK216		Flat 3		Insert 2				
1A000-5A745 IGNITION AND DOOR 1977+ **NOTE USE FLAT 8 FOR SPACES 9&10																				
X80,X140																				
98	197	295	394	492	591	689	787	870	936	320	294	268	242							
VOLVO/06										ITL# 462	XF53	FGK104		Flat 3		Insert 2				
IGNITION 1965-67 111111-555555 DIRECT DIGIT ALSO VOLVO PENTA MARINE																				
V77 DL NE6 CU																				
142	246	350	455	559	663					157	177	197	217	236						
VOLVO/07										ITL# 463	XF55			Flat 3		Insert 2				
W601-W842 WASO GAS CAPS																				
TAYLOR/DL WS																				
146	240	335	429	524					291	268	244									
VOLVO/08										ITL# 441				Flat 3		Insert 2				
D,E,F,V,Z																				
62VO DL 62VO																				
125	235	345	455	565	675					270	255	240	225	210						
WALSCO										ITL# 464				Flat 3		Insert 2				
F360 PADLOCK																				
VK015																				
168	393	549	705	861	1017					330	315	300	285	270	255	240	225	210	185	
WANG (ESP)										ITL# 465				Flat 4		Insert 2				
W 1-740																				
L54B,ILCO L105																				
128	225	322	419	516					249	229	209	189	169							
WEISER/01										ITL# 466				Flat 8		Insert 2				
OLD																				
ILCO A1054WB																				
237	393	549	705	861	1017	1173				320	302	284	266	248	230	212	194	176	158	
WEISER/02										ITL# 167	50			Flat 8		Insert 2				
NEW																				
H54WA ILCO 10																				
237	393	549	705	861	1017	1173				315	297	279	261	243	225	207	189	171	153	

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10			
WELCH										ITL# 467 51										Flat 6		Insert 2	
STANDARD																							
133 ILCO 1123																							
164	339	514	689	864	1039					330	315	300	285	270	255	240	225	210	195				
WESLOCK/01										ITL# 468 52										Flat 8		Insert 2	
ALL																							
175 ILCO 1175																							
220	376	532	688	844	1000					330	314	299	283	268	252	236	221	205	190	174			
WESLOCK/02										ITL# 469										Flat 8		Insert 2	
NEW VANGUARD																							
220	376	532	688	844	1000	1156				328	312	296	265	250	234	219	204	187					
WILSON-BOHANNAN/01										ITL# 470										Flat 3		Insert 2	
#40 PADLOCK																							
ILCO 1071C																							
160	295	430	565	700	835					240	225	210	195	180	165	150							
WILSON-BOHANNAN/02										ITL# 471										Flat 4		Insert 2	
PADLOCKS 220,620,660																							
ILCO 1071B																							
164	299	434	569	704	839					325	310	295	280	265	250	235	220	205					
WILSON-BOHANNAN/03										ITL# 472										Flat 3		Insert 3	
659 PADLOCK SMALL																							
19																							
112	252	392	532	672						205	190	175	160	145	130	115							
WILSON-BOHANNAN/04										ITL# 473										Flat 3		Insert 2	
PADLOCKS 621,622,6600,6210																							
ILCO 1071																							
194	349	504	659	814	969					325	310	295	280	265	250	235	220	205					
XL/01										ITL# 474										Flat 4		Insert 2	
K																							
XL7																							
185	310	435	560	685						237	217	197	177										
XL/02										ITL# 475 53										Flat 4		Insert 2	
X1-500 LETTER BOX																							
XL7																							
185	310	435	560	685						240	210	180	165										
YALE/01										ITL# 476										Flat 4		Insert 2	
#8 LARGE GA,GB,GC,GD,GE,GF,GG,GH,GK,G																							
14 ILCO 999 DL																							
200	365	530	695	860	1025	1190				320	301	282	263	244	225	206	187	168	149				
YALE/02										ITL# 477										Flat 3		Insert 2	
GF																							
ILCO 1122AR O																							
140	234	328	422	516	610					250	230	210	190	170									
YALE/03										ITL# 478										Flat 3		Insert 2	
IN & AL KAUFMAN GATE LOCKS																							
ILCO 1122																							
175	310	445	580	715	850					260	242	224	206	188	170	152							
YALE/04										ITL# 479										Flat 3		Insert 2	
WAFER REGULAR																							
ILCO 1122A																							
125	220	315	410	505	600					250	230	210	190	170									

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10			
YALE/05										ITL# 480										Flat 3		Insert 2	
BY WAFER																							
ILCO H1122W																							
485	580	675	770	865	960					250	230	210	190	170									
YALE/06										ITL# 481										Flat 4		Insert 2	
SECTIONAL MK																							
14GA ETC ILCO																							
200	365	530	695	860	1025					317	302	287	272	257	242	227	212	197	182				
YALE/07										ITL# 482										Flat 3		Insert 3	
BABY PADLOCK(WAFER)																							
ILCO 1132 ORI																							
129	222	315	408	501					205	185	165	145	125										
YALE/08										ITL# 483										Flat 3		Insert 2	
8100 PADLOCK WAFER																							
ILCO 1132																							
129	222	315	408	501	594					205	185	165	145										
YALE/09										ITL# 484 X09										Flat 4		Insert 2	
LARGE SECTIONAL SPECIAL PINS!																							
-																							
200	365	530	695	860	1025	1190				320	295	270	245	220	195	170	145						
YALE/10										ITL# 485										Flat 1		Insert 2	
9M-N9M																							
ILCO 1332																							
145	195	245	295	345					300	275	250	225	200	175									
YALE/11										ITL# 486										Flat 1		Insert 2	
15WA,15WB,DSL,MK-SYS IED&IEH																							
ILCO 1332																							
93	143	193	243	293					300	275	250	225	200	175									
YALE/12										ITL# 384 56										Flat 3		Insert 3	
SMALL PIN 10-1/2 1-1600 JA KA 1-1600 12-1/2,13-1/2 STANDARD																							
YALE 10-1/2,12-																							
146	286	426	566	706	846					268	250	232	214	196	178	160	142						
YALE/13										ITL# 384 56										Flat 3		Insert 3	
#10																							
ILCO 997E																							
146	286	426	566	706	846					268	250	232	214	196	178	160	142						
YALE/14										ITL# 488 55										Flat 4		Insert 2	
K 101-299 MAJESTIC HANDLES USING ILCO LOCKS																							
7NX,ILCO 1122,																							
125	220	315	410	505					250	230	210	190											
YAMAHA/01										ITL# 489 MC82										Flat 3		Insert 2	
1776-1800 2676-2700																							
DL YH24/29																							
158	256	355	453	552					236				193										
YAMAHA/02										ITL# 490 MC82										Flat 3		Insert 2	
1711-1725 2611-2625																							
X18,X39 DL YH1																							
173	271	370	468					236	201														
YAMAHA/03										ITL# 491 MC82										Flat 3		Insert 2	
1726-1775 2626-2675																							
X18,X39,X65X6																							
118	216	315	413	512					236				201										

SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	S10	DP0	DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	D10
YAMAHA/04										ITL# 496 MC80 FGK227 Flat 3 Insert 2										
A,B,C,D,E,F 11111-44444 1981+ DIRECT DIGIT OR A,B,C,D,E,F 32010-79897																				
X120,X119,X117																				
157	256	354	453	551						295	276	256	236							
YAMAHA/05										ITL# 497 MC81 FGK218 Flat 3 Insert 2										
3101-4900,77-80																				
X62,X63,X69,X7																				
157	256	354	453	551						295	266	236								
YUGO										ITL# 498 XF203 FGK267 Flat 3 Insert 2										
G3001-4530 1987+ DOOR,TRUNK & GAS																				
X167,YU2																				
220	331	441	551	661	772						299	272	244	217						

CODE ENTRY FORM

TO ENTER EDIT MODE PUSH

NUMBERS (801 - 960) ON THE 9000 (801 - 810) ON THE 900

MANUFACTURER: _____

SERIES: _____

BLANKS: _____

ENABLE PAUSE? Y/N: _____

EXTENDED TABLE? Y/N: _____

TIP TYPE 0 - 3: _____

MAXIMUM SPACE 1 - 10: _____

FLAT NUMBER 1 - 10: _____

MAXIMUM DEPTH 1 - 10: _____

INSERT NUMBER 1 - 4: _____

MINIMUM DEPTH 0 - 9 : _____

= : _____

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NOTE SPACES RANGE 1 TO 1350
 DEPTHS RANGE 110 - 465

* = : _____

* USED IN EXTENDED TABLE

LIST OF MANUFACTURER ID NUMBERS AND NAMES

ID#	NAME	ID#	NAME	ID#	NAME	ID#	NAME
1	A CALIBRATION CODE	67	BMW/07B	132	CRAFTSMAN/02	196	GEO PRIZM
2	ABUS/01	23	BOMMER	93	CRAFTSMAN/03	507	GEO TRACKER
3	ABUS/02	71	BRITCAR	31	CRICKET(CHRYSLER)/01	197	GERMAN FORD/01
4	ABUS/03	72	BRITISH CAR GAS CAPS	32	CRICKET(CHRYSLER)/02	198	GERMAN FORD/02
5	ABUS/04	73	BRITISH FORD/01	196	DAIHATSU	199	GOAL
6	ABUS/05	74	BRITISH FORD/02	141	DEXTER/01	200	GUARD
7	ABUS/06	75	BRITISH LEYLAND/01	142	DEXTER/02	201	HAFELE(DRAWER LOCK)
8	ABUS/07	76	BRITISH LEYLAND/02	143	DEXTER/03	202	HARLOCK
9	AGE/01	77	BRITISH LEYLAND/03	144	DEXTER/04	203	HILLMAN MINX AUTO
10	AGE/02	78	BROOK NATIONAL	139	DIEBOLD/01	204	HON
11	AGE/03	79	CADILLAC ALLANTE	140	DIEBOLD/02	210	HONDA/01
12	ALFA ROMEO/01	80	CAPRI/01	145	DKW/01	77	HONDA/02
13	ALFA ROMEO/02	81	CAPRI/02	441	DKW/02	206	HONDA/03
181	ALFA ROMEO/03	82	CAPRI/03	503	DOM SMALL PIN	205	HONDA/04
15	ALFA ROMEO/04	83	CAPRI/04	147	DOMINION	211	HONDA/05
18	ALFA ROMEO/05	84	CESSNA	148	DONNER/01	510	HONDA/06
20	ALFA-FERRARI-FIAT-YUGO	85	CHALLENGER	149	DONNER/02	208	HONDA/CYCLE/01
21	ALMONT	86	CHANTRELL	479	DURO-STEEL	209	HONDA/CYCLE/02
22	AMERICAN	87	CHESLER	504	EAGLE	212	HONDA/CYCLE/03
23	AMERICAN DEVICE	88	CHEVROLET/01	151	EAGLE/01	213	HONDA/CYCLE/04
24	AMERICAN MOTORS/01	285	CHEVROLET/02	152	EAGLE/02	214	HONDA/CYCLE/05
25	AMERICAN MOTORS/02	90	CHICAGO/01	153	EAGLE/03	215	HONDA/CYCLE/06
26	AMERICAN/01 (JUNKUNC)	91	CHICAGO/02	154	EAGLE/04	216	HUBER
500	AMERICAN/02 (JUNKUNC)	92	CHICAGO/03	155	EAGLE/05	217	HUCK-PIN
27	AMEROCK	93	CHICAGO/04	156	EAGLE/06	218	HUDSON/01
28	ARCO/01	94	CHICAGO/05	159	EAGLE/07	219	HUDSON/02
29	ARCO/02	95	CHICAGO/06	160	ELGIN/01	222	HUDSON/03
30	ARCO/03	96	CHRYSLER/01	161	ELGIN/02	223	HUDSON/04
31	ARROW(PLYMOUTH)/01	97	CHRYSLER/02	162	EMHART SYSTEM 70	224	HUDSON/05
32	ARROW(PLYMOUTH)/02	98	CHRYSLER/03	163	ENGLISH CAM LOCKS	225	HURD/01
33	ARROW/01	99	CHRYSLER/04	164	EURO TRUCK	226	HURD/02
34	ARROW/02	100	CHRYSLER/05	479	EVINRUDE	227	HURD/03
27	ARROW/03	515	CHRYSLER/06	165	EVINRUDE-JOHNSON	228	HURD/04
36	ARROW/04	101	CITROEN/01	166	FALCON	229	HURD/05
37	ARROW/05B	102	CITROEN/02	167	FALCON (WEISER)	230	HURD/06
38	ARROW/05T	103	CLINTON	168	FANAL(MEXICO)	479	HURD/07
39	ASSA/01	104	COLE-HERSEE	169	FIAT/01 YUGO	184	HURD/08
40	ASSA/02	31	COLT(DODGE)/01	13	FIAT/02-ALPHA ROMEO	185	HURD/09
41	ASSA/03	32	COLT(DODGE)/02	172	FIAT/03 IGN	186	HURD/10
42	AUDI/01	105	COLUMBIA	173	FIAT/04	187	HURD/11
43	AUDI/02	106	COMMODORE/01	174	FIAT/05	188	HURD/12
356	AUDI/03	107	COMMODORE/02	176	FIAT/06	231	HYUNDAI/01
357	AUDI/04	108	CORBIN/01	177	FIAT/07	517	HYUNDAI/02
44	AUSTIN HEALEY	111	CORBIN/02	178	FIAT/08	232	ILCO/01
45	AUTH/01	112	CORBIN/03	179	FIAT/09	233	ILCO/02
46	AUTH/02	113	CORBIN/04	180	FIAT/10	234	ILCO/03
47	AUTH/03	121	CORBIN/05	181	FIAT/11	235	ILCO/04
48	AUTH/04	122	CORBIN/06	20	FIAT/12	236	ILCO/05
49	AUTH/05	123	CORBIN/07	179	FIAT/13	237	ILCO/06
50	AUTH/06	125	CORBIN/08	82	FIESTA	238	ILCO/07
24	B&S	126	CORBIN/09	183	FLORENCE	239	ILCO/08
51	BALDWIN	127	CORBIN/10	184	FORD/01	240	ILCO/09
52	BARGMAN	109	CORBIN/CCL/01	185	FORD/02	192	ILLINOIS
54	BEST A2/01	110	CORBIN/CCL/02	186	FORD/03	88	ISUZU-GMC-TRUCK
56	BEST A4/03	114	CORBIN/CCL/03	187	FORD/04	241	IVECO/01
53	BEST-FALCON	115	CORBIN/CCL/04	188	FORD/05	242	IVECO/02
57	BMW CYCLE	116	CORBIN/CCL/05	189	FORT/01	243	JAGUAR/01
64	BMW/01A	117	CORBIN/CCL/06	190	FORT/02B	244	JAGUAR/02
58	BMW/01B	118	CORBIN/CCL/07	191	FORT/02T	135	JAGUAR/03
59	BMW/02	124	CORBIN/CCL/08	192	FRAIM	26	JUNKUNC
60	BMW/03	501	CORBIN/CCL/09	193	GENERAL	506	KABA PEAKS /01
61	BMW/04	502	CORBIN/CCL/10	194	GENERAL MOTORS/01	278	KABA PEAKS /02
62	BMW/05A	74	CORTINA(FORD)	195	GENERAL MOTORS/02	505	KABA PEAKS /03
63	BMW/05B	128	COUCH	514	GENERAL MOTORS/03	279	KABA PEAKS /04
66	BMW/06A	129	COURIER(FORD)/01	100	GENERAL MOTORS/04	277	KABA PEAKS /05
65	BMW/06B	130	COURIER(FORD)/02	519	GENERAL MOTORS/05	276	KABA PEAKS /06
68	BMW/07A	131	CRAFTSMAN/01	196	GEO METRO/STORM,ISUZU	247	KAWASAKI/01

LIST OF MANUFACTURER ID NUMBERS AND NAMES

ID#	NAME	ID#	NAME	ID#	NAME	ID#	NAME
248	KAWASAKI/02	320	NATIONAL/07	344	RENAULT/12	44	TRIUMPH/07
252	KAWASAKI/03	321	NATIONAL/08	384	RIFKIN	429	VIRO/01
253	KAWASAKI/04	322	NATIONAL/09	374	RIXSON	430	VIRO/02
256	KAWASAKI/05	45	NATIONAL/10	375	RUSSWIN/01	431	VIRO/03
257	KAWASAKI/06	334	NATIONAL/11	112	RUSSWIN/02	454	VOLKSWAGEN/01
258	KAWASAKI/07	135	NISSAN/01	377	RUSSWIN/03	439	VOLKSWAGEN/02
259	KAWASAKI/08	136	NISSAN/02	378	RUSSWIN/04	441	VOLKSWAGEN/03
260	KAWASAKI/09	137	NISSAN/03	379	RUSSWIN/05	436	VOLKSWAGEN/04
261	KEIL/01	138	NISSAN/04	380	RUSSWIN/06	440	VOLKSWAGEN/05
262	KEIL/02	44	NORTON CYCLES	382	SAAB/01	442	VOLKSWAGEN/06
263	KENNEDY	324	NORWALK/01	383	SAAB/02	443	VOLKSWAGEN/07
264	KWIKSET/01	325	NORWALK/02	384	SARGENT&GREENLEAF/01	434	VOLKSWAGEN/08
265	KWIKSET/02	326	NORWALK/03	385	SARGENT&GREENLEAF/02	448	VOLKSWAGEN/09
266	LOCKWOOD/01	67	NSU/P	386	SARGENT&GREENLEAF/03	433	VOLKSWAGEN/10A
267	LOCKWOOD/02	68	NSU/S	387	SARGENT&GREENLEAF/04	432	VOLKSWAGEN/10B
86	LOCKWOOD/03	327	OCTAGON	388	SARGENT/01	438	VOLKSWAGEN/11A
268	LORI/01	328	OPEL/01	389	SARGENT/02	437	VOLKSWAGEN/11B
269	LORI/02	330	OPEL/02A	390	SARGENT/03	445	VOLKSWAGEN/12A
270	LORI/03	329	OPEL/02B	391	SCHLAGE/01	444	VOLKSWAGEN/12B
271	LORI/04	331	OPEL/03	392	SCHLAGE/02	356	VOLKSWAGEN/13
272	LORI/05	333	OPEL/04A	393	SECURITY	357	VOLKSWAGEN/14
273	LORI/06	332	OPEL/04B	394	SEGAL/01	446	VOLKSWAGEN/15A
274	LORI/07	445	OPEL/05A	395	SEGAL/02	447	VOLKSWAGEN/15B
275	LORI/08	332	OPEL/05B	396	SIMCA	449	VOLKSWAGEN/16
280	LOWE & FLETCHER	336	OPEL/06	397	SKILLMAN	450	VOLKSWAGEN/17
281	LOXEM	441	OPEL/07	398	SLAYMAKER/01	453	VOLKSWAGEN/18
282	LUSTER LINE/01	182	PANTERA	399	SLAYMAKER/02	455	VOLVO/01
283	LUSTRE LINE/02	337	PARKER	400	SLAYMAKER/03	456	VOLVO/02
285	LUV(GENERALMOTORS)/02	338	PENN/01	401	SLAYMAKER/04	71	VOLVO/03
286	LYON	339	PENN/02	402	SOTOH	460	VOLVO/04
287	MASTER/01	70	PEUGEOT	403	STERLING	461	VOLVO/05
288	MASTER/02	340	PEUGEOT/01	134	SUBARU/01	462	VOLVO/06
289	MASTER/03	341	PEUGEOT/02	136	SUBARU/02	463	VOLVO/07
290	MASTER/04	342	PEUGEOT/03	138	SUBARU/03	441	VOLVO/08
130	MAZDA/01	343	PEUGEOT/04	508	SUBARU/04	464	WALSCO
129	MAZDA/02	344	PEUGEOT/05	405	SUNAR-DOM	465	WANG (ESP)
285	MAZDA/03	345	PEUGEOT/06	285	SUZUKI SAMURAI	466	WEISER/01
294	MAZDA/04	346	PEUGEOT/07	507	SUZUKI SIDEKICK	167	WEISER/02
295	MAZDA/05	347	PEUGEOT/08	196	SUZUKI SWIFT	467	WELCH
296	MAZDA/06	348	PEUGEOT/09	406	SUZUKI/01	468	WESLOCK/01
297	MAZDA/07	70	PEUGEOT/10	407	SUZUKI/02	469	WESLOCK/02
135	MAZDA/08	349	PONTIAC LEMANS	408	SUZUKI/03	470	WILSON-BOHANNAN/01
192	MCKINNEY	350	PORSCHE/01	82	TAUNUS/01	471	WILSON-BOHANNAN/02
298	MEDECO/01	351	PORSCHE/02	198	TAUNUS/02	472	WILSON-BOHANNAN/03
299	MEDECO/02	352	PORSCHE/03	197	TAUNUS/03	473	WILSON-BOHANNAN/04
300	MEDECO/03	353	PORSCHE/04	411	TAYLOR/01	474	XL/01
301	MEDECO/04	354	PORSCHE/05	412	TAYLOR/02	475	XL/02
302	MEDECO/05	355	PORSCHE/06	413	TAYLOR/03	476	YALE/01
303	MERCEDES/01	356	PORSCHE/07	415	TELE-LOCK	477	YALE/02
304	MERCEDES/02	357	PORSCHE/08	511	TOYOTA/01	478	YALE/03
62	MERCEDES/03	358	PUNDR/01	417	TOYOTA/02	479	YALE/04
306	MERCEDES/04	359	PUNDR/02	418	TOYOTA/03	480	YALE/05
307	MERKUR	25	RAMBLER	285	TOYOTA/04	481	YALE/06
309	MG/02	360	READING	416	TOYOTA/05	482	YALE/07
76	MG/03	361	REESE/01	421	TOYOTA/06	483	YALE/08
310	MIAMI-CAREY	192	REESE/02	512	TOYOTA/07	484	YALE/09
518	MITSUBISHI FUSO	362	RENAULT/01	196	TOYOTA/08	485	YALE/10
196	MITSUBISHI/01	363	RENAULT/02	513	TOYOTA/09	384	YALE/11
507	MITSUBISHI/02	364	RENAULT/03	516	TOYOTA/10	384	YALE/12
312	MOPED	365	RENAULT/04	423	TRIUMPH/01	384	YALE/13
313	NATIONAL/01	366	RENAULT/05	424	TRIUMPH/02	488	YALE/14
314	NATIONAL/02	367	RENAULT/06	425	TRIUMPH/03L	489	YAMAHA/01
315	NATIONAL/03	368	RENAULT/07	426	TRIUMPH/03S	490	YAMAHA/02
316	NATIONAL/04	369	RENAULT/08	427	TRIUMPH/04	491	YAMAHA/03
317	NATIONAL/05A	370	RENAULT/09	243	TRIUMPH/05	496	YAMAHA/04
318	NATIONAL/05B	371	RENAULT/10	428	TRIUMPH/05L	497	YAMAHA/05
319	NATIONAL/06	372	RENAULT/11	174	TRIUMPH/06	498	YUGO